

Uptown Oil

Part of the Climate Change Solution

Waste Vegetable Oil Recycling



Biodiesel Manufacturing

www.uptownoil.co.uk Tel: 020 7928 6300
Licensed Fuel Producer No. FP1910/08, PPC Permit No. PP3336XV
Waste Carrier License No. EAN/932928/CB

Can I really run my car on old vegetable oil?

The Diesel engine was invented by Rudolf Diesel in 1894 to run on peanut oil. He showed great foresight when he stated -

“The use of vegetable oils for engine fuels may seem insignificant today but such oils may become, in the course of time, as important as petroleum and the coal-tar products of the present time.”



Rudolf Diesel

Today many types of vegetable oils are used to make bio-diesel.

A chemical conversion process called transesterification makes converted vegetable oils suitable for diesel engines.

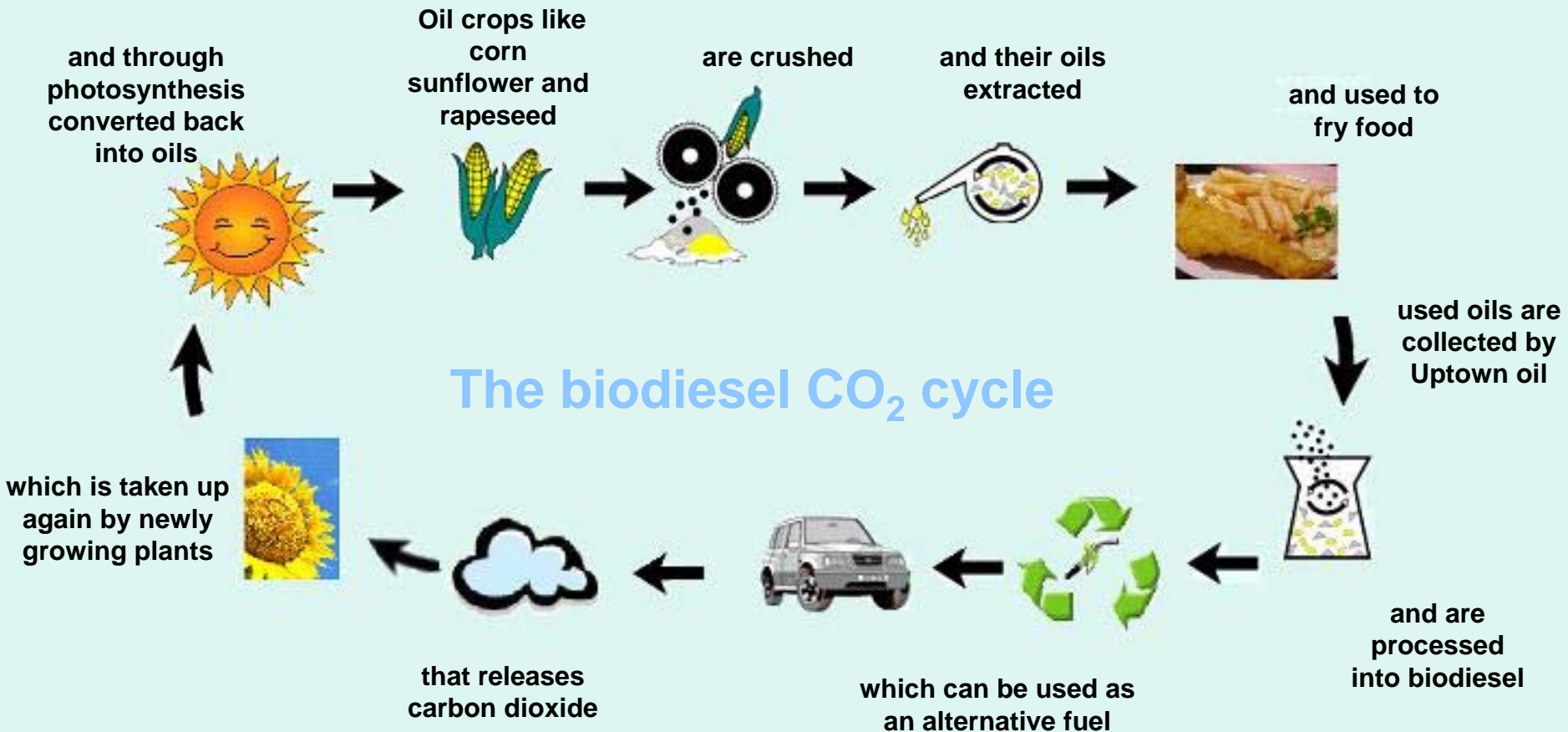
Unlike fossil fuels, bio-diesel does not add additional carbon dioxide to the atmosphere or create sulphur dioxide, the cause of acid rain. Biodiesel is a better lubricant for diesel engines than fossil diesel and it produces far less carbon particulates in vehicle exhaust¹, e.g. the cloud of black smoke from the back of a bus.

Better still, as waste vegetable oil is often fly-tipped and disposed of down the drain, (blocking drains and encouraging vermin ²) conversion of waste cooking oil to fuel is a great improvement.

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Why is biodiesel environmentally friendly?



Because the CO₂ is constantly recycled there is no net increase in CO₂

Fossil fuels are one way, carbon as crude oil underground is released as CO₂ into the atmosphere = net increase in CO₂ = climate change

Who are Uptown Oil?

- Established business of 20+ years providing a range of goods and services
- Diversified into biodiesel production in 2007 to leverage long-standing business relationships in the pub and restaurant sectors
- '*Commercial Environmentalists*' – we understand that environmental benefit can be effectively promoted using commercial drivers such as profit and service
- The Local, Global Solution – We focus on the local environment. To make a positive contribution to the London area, we source waste oil and make and sell biodiesel locally
- Uptown exclusively recycle waste oil after it has been used for cooking. Commercial mass production biodiesel made from virgin vegetable oil has been linked to deforestation in the developing world ³. It can take food from the hungry ⁴ and can increase CO₂ emissions where the oil crops are intensively grown ⁵. Mass biodiesel production from virgin oil also drives instability into global commodity prices, increasing food insecurity globally⁶. By focusing exclusively on waste oil, we avoid these damaging effects and use an otherwise waste product with little use or value.
- We distinguish recycled waste oil biodiesel with the recycling symbol  which means it is biodiesel made from exclusively used cooking oil.

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Waste oil collection

Uptown Oil has created a national network of waste oil collectors who convert waste oil into biodiesel. All are registered with the Environment agency, hold waste carrier licenses and issue waste transfer notes.

This network of approved operators provide a regular collection service, collecting waste oil in the original metal can or plastic cartons.

Coverage is national although not all towns and cities are currently serviced every week. We continue to develop our network as our clients needs dictate. Please ask and we can provide our current coverage map.



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Biodiesel – Quality Fuel tested to EN 14214 standards

EN 14214 is an international standard that describes the requirements for biodiesel. It is the quality standard accepted by automotive manufacturers.

- Greater than 96% methyl-ester content
- Negligible water, methanol, sulphur, glycerol content
- Viscosity, flash-point, density, TAN etc.

- Uptown biodiesel is routinely tested by accredited ISO9001 external laboratory service
- Outstanding quality fuel from waste cooking oil



BIODIESEL TESTING

Date of Receipt: 21.10.08	Date of Report: 24.10.08	COC No: 001764
Customer: UPTOWN OIL		
Job No:	PO No:	
Sample /Batch Number:-	150908	
Sample Date:-		
Location:-	LONDON	

CERTIFICATE OF CONFORMITY TO EN14214 STANDARD

Requirements for Biodiesel	Results	Test Methods	EN 14214 Limits	Units
Ester Content	98	EN 14103	min 96.5%	m/m
Methanol Content	0.10	EN 14110	max 0.2%	

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State-of-the-art Production Facilities



The GreenFuels FuelMatic™ system provides semi - automated and highly controllable biodiesel processing. The system is ATEX approved and operates a closed system to prevent methanol vapour release.

The patented glycerol separator removes +99% glycerol and twin Rohm & Haas BD10 ion exchange columns polish the final product. The biodiesel is filtered to 1µm to remove any microscopic particles

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Fully Licensed Operator

Waste oil collection used to be a dirty business in more ways than one. These days our responsible approach of operating within **all** local and national regulations ensures your business is not left open to prosecution under waste handling and disposal laws. Insist your collector holds a Waste Carrier license and issues Waste Transfer Notes for you to keep as proof.

Uptown Oil hold the following registrations and licenses

- **HMRC fuel producer no FP1910/08**
- **Environment Agency IPPC Permit no PP3336XV**
- **Environment Agency Waste Carrier EAN/932928/CB**
- **Company Registration no 3011236**

The image shows a 'Controlled Waste Transfer Note' form. It is a structured document with several sections, each with a lettered header and specific fields for data entry. The sections include:

- A Description of Waste:** Fields for 'Description of waste', 'Quantity (weight, volume or other units)', 'Waste Transfer Note No.', and 'Waste Code'.
- B Consignor (Producer or Holder of Waste):** Fields for 'Name', 'Company Name', 'Address', 'Waste Submitter Authority', and 'Waste Producer/Holder'.
- C Consignee (Receiver of Waste):** Fields for 'Name', 'Company Name', 'Address', 'Waste Receiver Authority', and 'Waste Receiver'.
- D Transfer Details:** Fields for 'Address of Place of Transfer', 'Date of Transfer', 'Time of Transfer', 'Signature of Consignor', 'Signature of Consignee', and 'Date of Issue'.

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Promote Your Green Credentials

As a caterer, you meet the public every day. You know that environmental issues are emotive, contemporary and important but being green has often been complicated, costly or disruptive.

Recycling waste oil is simple and effective. Biodiesel directly replaces fossil fuel diesel and litre for litre contributes to a more sustainable World.

Simple to implement, easy to communicate. Your customers will ask why doesn't everyone do it, it makes such good sense ?

We provide window stickers if you want them, logos for your menus, links between websites, flyers too (printed on recycled paper of course)

you can make a personal impact to CO₂ reduction in this way



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Biodiesel Sales

- We sell recycled biodiesel in 1000 litre intermediate bulk containers (IBCs)
- Uptown Oil provides certificates of analysis for bulk orders
- Biodiesel price is updated daily on our website and includes HMRC duty and VAT
- Winterising agents such as Chemiphase 350 and others are available for low temperature treatment prior to dispatch – *POA*

Please contact Jason, Nigel or Doug on 020 7928 6300

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www.uptownoil.co.uk

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References

- 1 particulates and other emissions - http://www.afdc.energy.gov/afdc/fuels/biodiesel_benefits.html
- 2 problems of disposed of down drains - <http://www.croydon.gov.uk/transportandstreets/streets/drains/>
<http://www.thameswater.co.uk/cps/rde/xchg/corp/hs.xsl/8599.htm>
- 3 deforestation - www.efrc.com/manage/authincludes/article_uploads/Deforestation%20diesel1.pdf
- 4 food insecurity - <http://www.dawn.com/2009/01/05/ebr14.htm>
- 5 take food from hungry - <http://www.guardian.co.uk/environment/2007/nov/03/food.climatechange>
- 6 increase CO2 emissions - <http://news.scotsman.com/uk/Biofuels-will-speed-climate-change.3909009.jp>

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