

B20 QAs

Q: What is B20?

A: B20 is a higher percentage biodiesel fuel, made up of an average of 20% biofuel and 80% diesel across the year. The exact percentage may change slightly throughout the year to ensure performance, but will average 20% for the year.

Blending up to 20% biodiesel allows Greenergy to provide its customers with a cost-effective and a sustainable lower carbon fuel option for existing vehicles, avoiding the need for engine modifications and capital outlay.

Q: What percentage of biofuel is currently used in fuel?

A: Greenergy would typically supply its customers with diesel which includes up to a 7% biodiesel blend. However, as biofuel obligations are increasing in the UK, Greenergy is now able to supply customers with high quality biodiesel blends at competitive prices.

Q: Where does Greenergy source its biofuel?

A: In addition to being the UK's largest road fuel supplier, Greenergy is also Europe's largest manufacturer of biodiesel from waste with two biodiesel manufacturing facilities on the East coast of England. We purchase waste cooking oils and food waste sourced from around the world, including from Australia, China, Singapore, USA and Middle East, as feedstock for our manufacturing operations. By diversifying our sourcing, we have created sustainable end-to-end supply chains that recover waste oils and convert it to biodiesel.

To learn more about our biofuel manufacturing, please visit: <http://www.greenergy.com/environment/biofuels>

Q: What is Greenergy's biofuel made from?

A: We use the most sustainable waste cooking oils sourced from around the world as feedstock for our manufacturing operations. These oils might otherwise be taken to landfill, be burnt as waste or illegally poured down drains.

With our suppliers, we are able to demonstrate traceability back to the restaurant or source where the waste cooking oils and food waste were collected.

Q: Why is prompting the increased demand for B20?

A: The UK maintains strict biofuel supply obligations, as defined as Renewable Transport Fuel Obligations. These obligations almost doubled in 2018, and will continue to increase until 2032, increasing the amount of waste-based biofuels that can be blended into fuel in the UK, and also introduces maximum levels for the use of crop-based biofuels.

High percentage biodiesel blends are more economical than standard diesel, leading to rapidly growing demand for these higher percentage biodiesel blends amongst fleet users.

Q: Is supply an issue?

A: Greenergy maintains a global supply chain of feedstock to meet demand for biofuels. In 2018, we also acquired a third manufacturing facility in Amsterdam that once converted to process waste based oils in 2019, will provide further capacity.

Q: What are the benefits of B20?

A: As a biodiesel blend, B20 offers no worse impact on air quality than standard diesel, whilst offering an immediate CO2 saving at a very low level of investment.

The benefits of B20 are:

- » Highly economical, with noticeable cost savings compared to diesel
- » No measurable increase in fuel consumption based on real trials
- » No observable increase in emissions
- » Negligible additional ongoing vehicle maintenance costs

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Q: Has B20 been tested?

A: In 2016, Transport for London (TfL) and Low Carbon Vehicle Partnership (LowCVP) commissioned a project to rollout B20 biodiesel on nearly one third of the TfL bus network as a cost effective CO2 reduction measure.

This project concluded that B20 resulted in:

- » No measurable increase in fuel consumption
- » No observable increase in emissions
- » Potential start-up costs to evaluate vehicle suitability
- » Negligible additional ongoing vehicle maintenance costs

Q: What is the process to convert to using B20?

A: There are various steps that will need to be taken before converting your fleet to B20, including:

- » Review your vehicle warranty positions from vehicle Original Equipment Manufacturers (OEMs) due to understand if engine is certified for B20 use. Some warranties will specify that the vehicle must be ordered a FAME prepared.
- » Bulk diesel storage tanks will require cleaning prior to conversion, the ongoing regular cleaning will be required
- » Additional filtration may be required prior to dispensing from the bulk storage tank

Please contact Greenergy on 020 7400 4797 to discuss your requirements.

Q: I want to learn more about using higher percentage biofuel blends.

A: Both Transport for London (TfL) and Low Carbon Vehicle Partnership (LowCVP) are supportive of higher biodiesel inclusion rates given the cost savings, and environmental benefits.

The London Lord Mayor is also very supportive of adopting higher percentage biofuel blends, and more details on the Mayor's Biodiesel Programme can be found here:

<https://www.london.gov.uk/what-we-do/environment/waste-and-recycling/mayors-biodiesel-programme>