

B20 Q+As

Q: What is B20?

A: B20 is a higher percentage biodiesel fuel, made up of an average of 20% biodiesel and 80% diesel across the year. The exact percentage may change 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, lower carbon fuel option for existing vehicles, avoiding the need for engine modifications and capital outlay.

Q: What is prompting the increased demand for B20?

A: The UK maintains strict biofuel supply obligations, as defined in the Renewable Transport Fuel Obligations. These obligations will continue to rise until 2032 to deliver greenhouse gas emissions, and this increases the amount of waste-based biofuels that can be blended into fuel in the UK. Furthermore, high percentage biodiesel blends are more competitively priced to standard diesel, which is leading to rapidly growing demand for higher biodiesel blends amongst fleet users to support emission reduction targets.

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

A: Greenergy typically supply its customers with regular diesel which includes up to a 7% biodiesel blend. However, as biofuel obligations are increasing in the UK, so has customer demand for higher percentage biodiesel blends. Greenergy is now able to supply customers with high biodiesel blends at competitive prices.

If you are considering lower carbon fuels such as B20 for your business, contact us on **+44 20 7400 4797** to learn more about our offer.

Q: Is supply an issue?

A: Greenergy maintains a global supply chain of feedstock to meet demand for biofuels. We operates three biodiesel plants: two in the UK, at Immingham and on Teesside, and a third in Amsterdam. In 2022, we started expansion works at the Amsterdam plant that will allow us to treat a wider range of feedstocks and increase capacity by 25%.

Q: Where does Greenergy source its biofuel?

A: We source waste and waste oils 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: What are the benefits of B20?

A: As a biodiesel blend, B20 offers an immediate carbon emissions savings. In 2022, Greenergy implemented a trial of our own B20, across a portion of our haulage fleet.

Working with our vehicle manufacturer, the trial demonstrated how B20 performs under real world conditions and delivered immediate carbon savings.

Across the twelve months, the trials key findings were:

- » An annual average 13% GHG emission improvement above standard B7 diesel
- » Across 17 tractor units, 274 tonnes CO₂e saved in 2022 compared to regular diesel
- » MPG remained relatively stable, at 9.77MPG for the B20 vehicles vs 9.88MPG for regular diesel vehicles
- » Cost savings per litre of B20 compared to regular
- » As terms of the trial, increased number of services, but no increase in service costs across the B20 tractor units
- » No operational issues recorded throughout the trial.

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Q: What do I have to do to start 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) to understand if engine is certified for B20 use.
- » Bulk diesel storage tanks will require cleaning prior to conversion, and ongoing regular inspection will be required. This is standard practice and is particularly important with a higher blend of biodiesel.
- » Additional filtration may be required prior to dispensing from the bulk storage tank.

Q Where is B20 currently available?

A: B20 is currently readily available on the Thames, if you are outside of this region, please contact us to discuss your requirements.

Q: Is B20 the highest percentage biofuel?

A: No, we blend biofuels at different percentages. Biodiesel blends range from B20 to unblended biodiesel B100, a product that is derived from waste and meets the most stringent quality criteria, are also available from Greenergy's biodiesel facilities.

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