

High bio blends Q+As

Q: What are high bio blends?

A: High biodiesel blends ('High bio blends') are fuels that include a higher percentage of biodiesel (a type of biofuel used in diesel engines).

High bio blends can range from B20, (the most commonly used with average biodiesel content of 20%) to B100.

By displacing diesel, high bio blends reduce transport emissions compared to a standard grade diesel that blends up to 7% biodiesel.

Q: What is prompting the increased demand for high bio blends?

A: The UK maintains strict biofuel supply obligations, as defined in the Renewable Transport Fuel Obligations. These obligations will continue to increase until 2032 to reduce greenhouse gas emissions in transport and increasing the amount of waste-based biofuels that can be blended into fuel in the UK.

High bio blends are also competitively priced compared to standard diesel, and more cost effective than hydrotreated vegetable oil (HVO). As a result, they are becoming increasingly popular amongst fuel retailers and fleet operators as they represent a good balance of cost savings and immediate emission reductions.

Q: What percentage of biofuel is currently used in regular diesel?

A: Regular diesel currently includes up to a 7% biodiesel blend.

Q: What is the highest percentage biodiesel blend?

A: Biodiesel blends range from standard B7 diesel (average 7% biodiesel) up to B100 (100% biodiesel) and meet the most stringent quality criteria.

Q: What are the benefits of high bio blends?

A: Significantly cheaper than renewable fuel alternatives such as hydrotreated vegetable oil (HVO), high bio blends are an affordable option available today for those looking to immediately reduce carbon emissions from their fleet.

Q: Where does Greenergy source its biofuel?

A: Greenergy operate three manufacturing plants that produce biodiesel predominately from waste. To meet rising demand for biofuels, Greenergy also sources products globally. With all of our suppliers, we are able to demonstrate traceability back to the source.

Q: Is supply an issue?

A: Greenergy's global supply chain and international footprint provides feedstock security and enables Greenergy to keep custody and quality-control of the fuel supply chain.

In 2023, Greenergy also completed expansion works across its biodiesel manufacturing plants to enable a wider range of waste oils to be processed into lower carbon biodiesel.

Talk to us today and find out how high bio blends can support your business transition plans, saving you on costs and reducing your carbon emissions.

Contact us on **+44 20 7404 7700** to learn more about our offer.

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Q: What do I have to do to start using high bio blends?

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

- » Review your vehicle warranty positions from vehicle Original Equipment Manufacturers (OEMs) to understand if engine is certified for high bio blends 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 are high bio blends currently available from?

A: Greenery can supply a range of high bio blends from B20 (average 20% biodiesel) to B100.

B20 is currently readily available on the Thames.

If you are outside of this region, please contact us to discuss your requirements.

commercialaccounts@greenergy.com

Case study

Using high bio blends in a commercial fleet

As part of Greenery's own transition plans, our in-house haulier, Greenery Flexigrid ('Flexigrid'), have introduced high bio blends, B20, across a portion of the fleet. In addition to reducing emissions from our own fleet operations, we have been able to demonstrate in real world conditions the impact of switching a commercial fleet to a high bio blend.

In 2022, Flexigrid saw:

- » An annual average 13% greenhouse gas emission improvement above standard B7 diesel
- » Across 17 tractor units, a saving of 274 tonnes CO_{2e} in 2022 compared to using B7 diesel
- » Cost savings per litre of B20 compared to B7 diesel
- » No operational issues recorded
- » Positive response from drivers and stakeholders.

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