

Making biodiesel from by-products - A Greenergy perspective



Summary

Greenergy is a significant producer and supplier of petroleum and biofuels into the UK transport fuels market, supplying over 15% of the UK's overall petrol and diesel market and approximately one third of the biofuels market. The company has extensive worldwide sourcing experience, with manufacturing operations in the UK and a blending facility in Rotterdam from which we supply customers across Europe. Greenergy is also a supplier of high percentage biofuel blends the fastest growth area within the biofuels market, in particular B50 for commercial usage and E95 for buses.

In this Perspective, Greenergy presents the following:

- Used cooking oil (UCO) is a by-product of the processed food industry, whilst animal fat is a by-product of meat production.
- These oils and fats are commonly used for biodiesel production but their availability is limited because they are a by-product of other industries.
- Biodiesels derived from used cooking oil and animal fats have a very positive carbon balance.
- All also have good quality characteristics, with a high cetane number and low sulphur content. In colder climates they are best blended with other biodiesels to achieve an acceptable cloud filter plugging point.
- Because of their low carbon intensity, Greenergy seeks to maximise the amount of biodiesels derived from used cooking oil and animal fat in its own fuel mix.