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Hydrogenated vegetable oil alternative fuel

Suntory Global Spirits
Netherlands
2021 > Ongoing
#EnergyEfficiency
#SustainableDistribution
#WasteManagement

Objective

Repurposing cooking oil to create biofuel to use in the transport of our products.

Description

10% of Beam Suntory GHG emissions across the value chain come from transportation and logistics.

In partnership with **Sennder**, repurposed recycled cooking oil, mainly from McDonalds, is used to create Biofuel (i.e. Hydrotreated Vegetable Oil - HVO). HVO can be used in any diesel truck and is cheaper than diesel.

In 2021, Beam Suntory decided to pilote HVO in lanes that originated in the Netherlands and ended in Germany. In 2022, the company increased to 83% the services with Sennder, representing an emissions reduction of 61 tonnes of CO2 emission.

HVO (hydrotreated vegetable oil) is renewable diesel produced from waste products. This makes it both renewable and low carbon. By “renewable,” it mean that it is produced from green sources like food waste. Fossil fuels, which are the main cause of climate change, are non-renewable because once they’re used, they’re gone forever.

The most common sources of feedstocks (what fuel is made from) for HVO include:

- Used cooking oil
- Animal fat from food industry waste

- Vegetable oil processing waste and residues
- Fish fat from fish processing waste
- Technical corn oil

HVO is produced by hydroprocessing and then hydrotreating these raw materials. The result of this production process is a colorless, odorless, and renewable diesel with the same chemical composition as fossil diesel that can be used exactly like fossil diesel.

As one of the highest quality fuels on the market, HVO can reduce carbon emissions by up to 90% compared to fossil diesel.

Partners

Sennder - Europe's leading freight forwarder offering shippers access to a connected fleet of thousands of trucks.

Results

In 2022, the company increased to 83% the services with Sennder, representing an emissions reduction of 61 tonnes of CO2 emission.

Website

https://www.beamsuntory.com/en/proof-positive

Downloads

Photo gallery