

GREEN D+ HVO

ALTERNATIVE FUEL

BIODEGRADABLE, LOW EMISSIONS AND ODOURLESS

With the Government pledging that by 2050 carbon emissions are to reduce by up to 80%, the need for sustainable fuels has never been greater. This means that emissions from homes, transport, farming and industry will have to be avoided completely.

At MFS we have partnered with New Era to offer Green D + HVO, a fossil-free, paraffinic fuel made from 100% renewable raw materials.

A more sustainable high quality of diesel fuel, that is suitable for all diesel-powered vehicles and industrial powered generators. Produced from waste fats and vegetable oils, the fats are transformed into biofuel by hydrogenation.

Our alternative fuel, Green D + HVO, is a cleaner fuel than diesel or FAME (fatty acid methyl ester – biodiesel); it complies with EN15940 & ASTM D97 5. Unlike biodiesel it doesn't deteriorate over time and can be used in temperature extremes.

Green D+ HVO, is a drop-in replacement for Gas Oil/Red Diesel and can be used in all diesel engines.

WHAT CAN HVO BE MADE FROM?

- Animal fat from food industry waste
- Fish fat from fish processing waste
- Residues from vegetable oil processing
- UCO – Used Cooking Oil
- Technical Corn Oil
- Tall Oil Pitch
- Palm Oil (In regulation to the ICSS)
- Tallow – rendered form of beef or mutton fat
- Palm Oil Mill Effluent (POME)



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KEY BENEFITS

A DROP IN REPLACEMENT FOR RED DIESEL

↓ CO₂e
CARBON DIOXIDE

LOWER CO₂e

Green D+ HVO generates **up to 90% less** greenhouse gases (CO₂e) and emissions, reducing your carbon footprint significantly.

↓ PM
PARTICULATE MATTER

LOWER PARTICULATES

Particulate, PM₂₅ & PM₁₀, are lowered **by up to 86%**

↓ NO_x
NITROGEN OXIDES

LOWER NO_x

NO_x levels are reduced by **up to 30%**

350L = 956KG

USED GREEN D+ HVO

REDUCED CARBON OUTPUT

ENVIRONMENTALLY FRIENDLY, SUSTAINABLE & BIODEGRADABLE

Made from sustainable and renewable raw materials, Green D+ HVO reduces greenhouse emissions by as much as 90%

LOW VISCOSITY LEVELS

Has excellent cold weather performance

GREAT ALTERNATIVE SOLUTION

Compatible with all off-road diesel engines

LONG STORAGE SHELF LIFE

Improved safety, shelf life and storage compared to regular diesel, therefore reducing the need for regular testing

DROP-IN FUEL

Green D+ HVO can be used as a direct replacement for conventional diesel fuels in heavy-duty and light-duty engines.

NOISE REDUCTION

Noise levels in some engines can be reduced by 1-4 dB

OEM APPROVED;

HVO is a direct replacement (drop-in) of fuel for all red diesel powered engines.

OEMs (Original Equipment Manufacturer) have already approved HVO to use in heavy duty road vehicles, passenger cars and non-road vehicles. Approved include DAF, Scania, Mercedes-Benz, Caterpillar, IVECO, Carrier and Thermo King fridges and ancillary equipment.



At MFS we are committed to helping our customers achieve their sustainability targets and help to protect our future. Contact us to switch to a more sustainable, environmentally friendly fuel today

renewables@marshallfleet.co.uk



Marshall

RENEWABLES