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Hydrotreated Vegetable Oil

Hydrotreated Vegetable Oil (HVO)

HVO is our fossil-free, low carbon drop-in diesel replacement product made from 100% renewable waste, residues, and vegetable oils .

It reduces greenhouse gas emissions by up to 90% and in addition to sizeable reductions in tailpipe emissions, HVO allows customers to significantly reduce their environmental footprint. It also significantly reduces NOx (Nitrogen Oxides) emissions and PM (Particulate Matter), providing improved air quality for those working in and around the site where fuel is being burned.

As HVO has no FAME content, it significantly reduces risk of microbial growth and water ingress that standard diesel products can be susceptible to. This means you have less exposure to fuel contamination and have less risk when storing it for long periods of time.

HVO is ideal for use in the following sectors:

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Contact us today and find out how we can help you fuel change in your business.

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The benefits of switching to HVO:

Fully reportable reduction of carbon supporting sustainability objectives

Produced from 100% sustainable renewable waste feedstocks; sustainability certification is available with every order

Accredited with EN15940 standard for paraffinic fuels

Drop-in replacement for standard diesel and gas oil- no retrofit required

CFPP (Freezing Point) of -40°C

Reduced maintenance requirements with a storage life of over 10 years

Reduces NOx (Nitrogen Oxides) emissions by 30% and PM (Particulate Matter) by 70%

Reduces greenhouse gas emissions by up to

90%

Hydrotreated Vegetable Oil is a bio-based paraffinic diesel fuel defined in the EN 15940 specification

Properties	Unit	Specification		EN 15940 limits		Test Method
		min	max	min	max	
Cetane number	-	70	-	70	-	EN15195
Density at 16°C	kg/m^3	770	790	765	800	EN ISO 12185
Sulfur content	mg/kg	-	5	-	5	ENISO20846
Flash point	°C	61	-	55	-	EN ISO 2719
Carbon residue (on 10% distillation residue)	%(m/m)	-	0.1	-	0.3	EN ISO 10370
Ash content	%(m/m)	-	0.001	-	0.01	EN ISO 6245
Water content	mg/kg	-	100	-	200	EN ISO 12937
Total contamination	mg/kg	-	10	-	24	EN ISO 12662
Copper strip corrosion (3h at 50°C)	rating	Class 1		Class 1		EN ISO 2160
Oxidation stability	g/m^3	-	25	-	25	EN ISO 12205
Lubricity, corrected wear scar diameter (wsd 1.4) at 60°C	µm	-	400	-	460	EN ISO 121561
Viscosity at 40°C	mm^2/s	2	4	2	4.5	EN ISO 3104
Distillation IBP % (V/V) recovered at 250°C % (V/V) recovered at 350°C 95% (V/V) recovered at	 °C % (V/V) % (V/V) °C	 180 - 85 -	 - < 65 - 320	 - - 85 -	 - < 65 - 360	EN ISO 3405
Cloud point and CFPP	°C	CP: Summer -15°C / Winter -32°C, CFPP reported		-	-	EN 23015 and EN 116
Appearance	-	Clear and bright		-	-	Visual
Total aromatics content	%(m/m)	-	1.1	-	1.1	EN 12916
Electrical Conductivity	pS/m	100	-	-	-	ISO 6297
Acidity total (TAN)	mgKOH/g	-	0.01	-	-	ASTM D3242

The supplier guarantees no FAME is added in the product.

The supplier guarantees that the product does not contain manganese.

Want to find out more about our sustainable solutions? Our friendly customer team is here to help.

Call 0800 980 6172

Email enquiries@thewp-group.co.uk

Visit our website www.thewp-group.co.uk

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