



## HVO Renewable Diesel

Hydrotreated Vegetable Oil To BS EN 15940:2016+A1:2018

Property	Unit	Limits		Test Method
		Min.	Max.	
Cetane Number		70	—	EN ISO 15195
Density at 15°C	kg/m <sup>3</sup>	765	800	EN ISO 12185
Flash point	°C	55.1	—	EN ISO 2719
Viscosity at 40°C	mm <sup>2</sup> /s	2.00	4.50	EN ISO 3104
Distillation:				EN ISO 3405
recovery at 250°C	% (V/V)	—	<65	
recovery at 350°C	% (V/V)	85	—	
95% (V/V) recovered at	°C	—	360	
Lubricity corrected mean wear scar diameter (wsd 1.4) at 60 °C	µm	—	460	EN ISO 12156-1
Fatty Acid Methyl Ester (FAME) content	% (V/V)	—	7.0	EN 14078
Manganese content	mg/l	—	2.00	EN ISO 16576
Total aromatics content	% (m/m)	—	1.1	EN ISO 12916
Sulphur content	mg/kg	—	5.00	EN ISO 20846
Carbon residue (micro) [10% (V/V) distillation bottoms]	% (m/m)	—	0.30	EN ISO 10370
Ash content	% (m/m)	—	0.010	EN ISO 6245
Water content	% (m/m)	—	0.020	EN ISO 12937
Total contamination	mg/kg	—	24	EN 12662
Copper strip corrosion (3h at 50°C)	Rating	Class 1		EN ISO 2160
Oxidation stability:				
	g/m <sup>3</sup>	—	25	EN ISO 12205
	h	20	—	EN 15751
Appearance at 15°C		Clear And Bright		Visual Inspection
Cloud Point	°C			EN 23015
Summer (16 March to 15 October)		—	-5	
Winter (16 October to 15 March)		—	-15	
Cold filter plugging point (CFPP)	°C			EN 116
Summer (16 March to 15 November)		—	-5	
Winter (16 November to 15 March)		—	-15	

**A premium quality automotive white diesel fuel made from 100% renewable, sustainable raw materials, making it a clean burning, environmentally friendly diesel, with the added benefit of a much longer shelf life.**

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