



RenHeat Renewable Heating Oil

Low viscosity sustainable fuel for heating applications, made in the UK.

Property	Unit	Limits		Test Method	Typical
		Min.	Max.		
Appearance ^{a)}	Visual	Clear & Bright		D 4176	Clear & bright
Kinematic viscosity at 40°C	mm ² /s	1.70	6.00	IP 71	5.50
Density at 15°C	kg/m ³	820	—	IP 365	835.0
Carbon residue (micro)	% (m/m)	—	0.30	ASTM D 4530	<0.1
Flash point	°C	45	—	IP 34	>55
Water content ^{a)}	% (m/m)	—	0.02	IP 438	<0.02
Particulate content	mg/kg	—	24	IP 415	<10
Ash content	% (m/m)	—	0.01	IP 4	<0.01
Silicon content	% (m/m)	—	0.000 1		<0.0001
Sulfur content	% (m/m)	—	0.10	IP 336	0.03
Copper corrosion (3h at 50°C)	class	—	1	BS EN ISO 2160	1a
Cold filter plugging point (CFPP) ^{b)}	°C			IP 309	
Summer (16 March to 15 November)		—	-4		<-12
Winter (16 November to 15 March)		—	-12		<-12
Strong acid number	mg KOH/g	—	Zero	IP 139	Zero
Lubricity, corrected mean wear scar diameter (wsd 1.4) at 60 °C	µm	—	460	BS 2000-450	300
Oxidation Stability	g/m ³	—	25	In-house	<25

This renewable boiler heating fuel has been designed for boilers previously using large volumes of Gasoil/Fuel oil & can only be used in heating applications, it is not to be used as a fuel for any engine, motor or other machinery.

^{a)} If sample is not clear & bright, then water content limit shall apply.

^{b)} Winter grade all year round

Additional Data

g CO ₂ e / MJ	4.7
Specific Energy (Calorific Value), MJ/L of Oil	Gross - 38.17 Net - 35.76

RenHeat Fuel is unaffected by the 2022 changes to Red Diesel and Biodiesel taxation and can be used for all heating uses