



Z Energy Ltd

Technical Data Sheet

Z B20 Biodiesel

Description

Z Bio D B20 is a fuel product comprising up to twenty per cent of Z's B100 biodiesel manufactured in Auckland, blended with ordinary mineral diesel. The B100 biodiesel conforms to the New Zealand Engine Fuel Specifications Regulations for biodiesel and meets the specifications detailed in the European biodiesel specification EN14214.

The B20 Biodiesel blend also meets the Engine Fuel Specifications Regulations.

Not all vehicle manufacturers allow B20 to be used in their equipment. The vehicle manufacturer should be consulted prior to using B20 blends.

Health & Safety

Z Energy B20 Biodiesel is classified according to Hazardous Substances (Classifications) Regulation 2001 as 9.1B – Environmentally Hazardous Substance and 3.1D - Flammable liquid, Low Hazard. UN number for transport is UN3082.

Avoid contact with the skin and eyes, and breathing vapours or mists.

For further guidance on product health and safety refer to the appropriate Z Energy Safety Data Sheet.

Typical Physical Characteristics

Description	Units	Methods	Typical
Density @ 15°C	kg/L	D1298/D4052	0.865
Viscosity @ 40°C	mm ² /s	D445	4.2
Ester content	%vol	EN14103	20 %
Flash Point	°C	D93	75
Sulphur	mg/kg	D2622/D5453	5
Acid Number	mgKOH/g	D664	0.15
Cetane Number	-	D614	>51
Water	mg/kg	D6304	140
Oxidation stability	g/m ³	D2274	8
Total contamination	mg/L	IP440	10
Filterability Test	% mass	IP387	1.05
Copper Corrosion	-	D130	1a

These characteristics are typical of current production. While future production will conform to Z Energy and legislated specifications, variations in these characteristics may occur.