



Z Energy Ltd

Technical Data Sheet

Z Diesel (Automotive Gas Oil)

Description

Z Energy Diesel is a high quality ultra-low sulphur diesel fuel that is suitable for use in all diesel powered vehicles and equipment, including engines which are fitted with exhaust after-treatment devices.

The properties of Z Energy Diesel are controlled to ensure good operability across New Zealand's variable temperature range and special allowances are made for known cold locations.

It is manufactured to comply with the New Zealand Engine Fuel Specifications Regulations.

Health & Safety

Z Energy Diesel 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	0.835
Viscosity @ 40°C	mm ² /s	D445	3.05
Flash Point	°C	D93	79
Sulphur	mg/kg	D2622/D5453	8
Cetane Index	-	D4737	53
Distillation - 95% recovered	°C	D86	340
Water	mg/kg	D6304	70
Ash	% mass	D482	<0.001
Particulates	mg/L	D6217	1.2
Filterability Test	% mass	D2068	1.02
Total Acid Number	mg KOH/g	D664	0.01
Copper Corrosion	-	D130	1a
Lubricity (HFRR test)	Microns	IP 450	375

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