



Z Energy Ltd

Technical Data Sheet

Z Wintermix (Automotive Gas Oil)

Description

Z Energy Winter Mix is an automotive diesel fuel with enhanced cold performance for customers operating diesel equipment in severe winter conditions. It is manufactured to meet the requirements of the New Zealand Engine Fuel Specifications Regulations and is suitable for all diesel engines.

Winter Mix has a maximum sulphur content of 10 ppm, which allows it to be used in vehicles that are fitted with exhaust after-treatment devices

While Winter Mix has enhanced cold performance there may be situations where extreme low temperatures will result in waxing and filter blocking. Operators using diesel-fueled equipment in such extreme conditions need to ensure that their fuel storage and equipment is suitable.

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
Cloud Point	°C	D5773	-2
Water	mg/kg	D6304	70
Cold Filter Plugging Point	°C	IP309	-17
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.