

# Technical Data Sheet

## Diesel 10

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### *Automotive Diesel Fuel*

#### Description

- **Diesel 10 is a special purpose light distillate fuel for use in high speed diesel engines** (operating at greater than 800 rpm), in services involving frequent and relatively wide variations in loads and speeds. It is used in automotive (both on and off road) and industrial applications.
- **Diesel 10 is formulated to deliver adequate lubricity**, to help protect fuel pumps and injectors from wear. The cloud point is controlled on a regional and seasonal basis for the purpose of delivering operability across Australia in changing conditions.
- **Diesel 10 is an Ultra Low Sulphur Diesel fuel**, with the sulphur content controlled to less than 10 mg/kg.
- **Diesel 10 is produced to conform to the Australian Fuel Quality Standards Act 2000 (Cth)**, with cold temperature properties controlled by Australian Standard AS3570 – 1998. Fuel quality is managed through Viva Energy quality assurance procedures.

#### Summary of Benefits

- **Diesel 10 is an Ultra Low Sulphur Diesel** fuel design for modern high-speed compression ignition engines.
- **The diesel meets all the requirements of the Australian Fuel Quality Standards Act 2000 (Cth)** and has a maximum sulphur content of 10ppm. This fuel is suitable for use in modern engines that are fitted with exhaust after treatment devices. Diesel 10 is also compatible with vehicles using Selective Catalytic Reduction (SCR) systems using Adblue.
- **Diesel 10 meets all the requirements of the NSW Coal Mine Health and Safety Act 2002**, Clause 73 (1) of the Coal Mine Health and Safety Regulation 2006 for Diesel fuel used in underground mine operations (amended in June 2009).

#### Health and Safety

Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition). For further guidance on Product Health and Safety refer to the appropriate Material Safety Data Sheet (MSDS).

#### Further Information

For further information contact the Viva Energy Technical Help Desk on **1300 134 205** or email **technical-au@vivaenergy.com.au**.

## Typical Characteristics

Description	Units	Methods	Typical
Density @ 15°C	kg/L	D1298/D4052	0.830 (0.82 to 0.85)
Viscosity @ 40°C	mm <sup>2</sup> /s	D445	3.05
Flash Point	°C	D93	69
Sulphur	mg/kg	D2622/D5453	8
Cetane Index	-	D4737	50
Distillation 95%	°C	D86	340
Water	% volume	D95	<0.05
Ash	% mass	D482	<0.01
Sediment	% mass	D473	<0.01
Filterability Test	% mass	D2068	1.05
Strong Acid Number	mg KOH/g	D974	Nil
Total Acid Number	mg KOH/g	D664	<0.1
Copper Corrosion	-	D130	1a
Lubricity (HFRR test)	Microns	IP 450	400

## Document Information

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