

# SHELL BIODIESEL 20

**AUTOMOTIVE DIESEL FUEL CONTAINING UP TO 20% VOL BIODIESEL. NOT SUITABLE FOR PASSENGER CARS OR MARINE APPLICATIONS.**

## DESCRIPTION

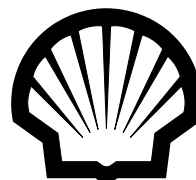
Shell BioDiesel 20 is a special purpose light distillate fuel containing up to 20% volume Biodiesel, for use in high speed diesel transport engines (i.e. those operating at greater than 800 rpm), in services involving frequent and relatively wide variations in loads and speeds. It is used in transport automotive (both on and off road) and industrial applications. Shell BioDiesel20 contains up to 20% biodiesel which is a renewable fuel. This assists users in reducing their CO<sub>2</sub> footprint as well as some other emissions such as particulate matter.

Shell BioDiesel 20 is an Ultra Low Sulphur Diesel fuel. The sulphur content is controlled to less than 10 mg/kg. The biodiesel component in Shell BioDiesel 20 fully complies with the Australia Fuel Quality Standards Act 2000 (Cth) for biodiesel. A national B20 specification is currently the subject of a Government discussion paper.

## SUMMARY OF BENEFITS

Shell Biodiesel 20 is an Ultra Low Sulphur Diesel fuel designed 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 10 ppm. This fuel is suitable for use in modern transport engines that are fitted with exhaust after treatment devices. Prior to using B20, you should consult your vehicle and equipment manufacturer to ensure it meets the manufacturer's fuel specifications. B20 is not suitable for passenger cars or marine applications.

Shell Biodiesel 20 can improve fuel lubricity which helps provide greater protection for diesel fuel pumps. It also has a higher cetane than ordinary petroleum diesel which can deliver improved combustion performance.



## HEALTH & SAFETY

Shell B20 Diesel is unlikely to present any significant health or safety hazard when properly used in the recommended application. For further guidance on Product Health & Safety refer to the appropriate Shell Material Safety Data Sheet (MSDS).

## TYPICAL CHARACTERISTICS

DESCRIPTION	UNITS	METHODS	TYPICAL
Density @15°C	kg/L	D1298/D4052	0.848 [0.82 – 0.86]
Viscosity @40 °C	mm <sup>2</sup> /s	D445	3.09
Biodiesel concentration	%vol	EN14078	≤20%
Flash Point	°C	D93	79
Sulphur	mg/kg	D2622/D5453	8
Derived Cetane Number	-	D6890	52
Distillation - 95%	°C	D86	345
Water	ppm	D6304	<200
Ash	% mass	D482	<0.001
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	280

### Document Information

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