



## Diesel 500

### Description

Sasol Diesel 500 is a fully-refined, middle distillate, hydrocarbon fuel formulated for optimum performance under the South African conditions. It can be fully synthetic or crude-oil derived.

### Application

It is intended for use in:

- In high-speed, compression-ignition diesel engines of all sizes and applications
- As a heating fuel in atomising burners
- As an environmentally friendly locomotive diesel fuel underground in mines

It is a SABS Mark bearing product complying with SABS 342

### Features and Benefits

Sasol Diesel 500 offers the following benefits:

- A high cetane number to minimise ignition delay and thus eliminate engine knock.
- Cleaner combustion due to its mainly paraffinic composition.
- Ease of starting and rapid warm-up of cold engines.
- Adequate lubrication of rotary and in-line diesel injector pumps.
- Seasonal adjustment of product properties to prevent blockage of in-line filters due to wax crystallisation under low temperature conditions.

### REMARKS

The production technology of Sasol Diesel 500 is based on the internationally known Sasol process. It is also supported by one of the most modern fuel research facilities in the world, situated in Sasolburg.

### Product Properties

Property	Units	Typical
Density @ 20°C	kg/m <sup>3</sup>	800 to 850
90% Volume Recovery	°C	330 to 362*
Cetane Number		45 to 52*
Flash Point (PMCC)	°C	55 to 70
Cold Filter Plugging Point:	°C	
In Summer		0 to -2
In Winter		-7 to -12
Viscosity @ 40°C	Mm <sup>2</sup> /s	2,2 to 3,3*
Lubricity (HFRR)	microns	<460
Sulphur Content	% m/m	0 to 0,05*
Water Content	Mg/kg	180

\* Depending on the production source