

Technical Data Sheet

BP Ultimate Diesel 500 ppm



Description:

An advanced performance fuel, complying with the SANS 342 (2006) specification, 500ppm (mg/Kg) sulphur content distillate fuel. BP Ultimate Diesel 500 has been formulated to include an exclusive additive package that enhances the characteristics of the fuel. BP Ultimate Diesel 500 is designed to deliver a unique combination of enhanced engine performance and reduced exhaust emissions.

BP Ultimate Diesel 500 is primarily recommended for use in most passenger cars and sport utility diesel engines. BP Ultimate Diesel 500 delivers both more performance and less pollution

Application and Benefits:

BP Ultimate Diesel 500 is an optimum performance fuel and therefore also recommended for use in road transport; Agriculture; Construction & earthmoving; Mining; Stationary Industrial applications (Power generation); Marine & Railroad

Main Benefits:

- Improved air quality, due to reduction in tail - pipe emission gases.
- Reduction in particulate matter (PM), which contributes to exhaust black smoke;
- Lower sulphates reduce the tendency for acidic corrosion.
- **4X Cleaning power**, cleaning the injection system and allows better combustion
- More mileage, **up to 36 km per full tank**
- Reduces downtime maintaining the fuel system components
- Extends life of the engine
- **Up to 8% Increased power** and responsiveness due to higher cetane number

Health, Safety and Environment:

Health, safety and environmental information is provided for this product in the Material Safety Data Sheet. This gives details of the potential hazards, precautions and First Aid measures, together with environmental effects and disposal of used products. BP or its subsidiaries will not accept liability if the product is used other than in the manner or with the precautions or for the purpose/s specified. Before the product is used other than as directed, advice should be obtained from the local BP office.

Typical information from MSDS

Do not ingest. Never siphon by mouth. If ingested, do not induce vomiting. Avoid contact with skin and clothing. Wash thoroughly after handling. Avoid contact with eyes. Use only with adequate ventilation

Storage:

All packages should be stored under cover. Where outside storage is unavoidable drums should be laid horizontally to avoid the possible ingress of water and the obliteration of drum markings. Products should not be stored above 60°C and exposed to the hot sun or freezing conditions

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Specifications:

Product meets the Oil Industry Product Exchange Specifications (OIPES) and SANS 342(2006)

Technical Data:

Property	Units	Method	Limits (min/max)	SANS 342	*Typical Results
Density @ 20 °C	Kg/L	D4042/D1298	Min	0.800	0.8345
Appearance		D4176 or Haze Rating (17° to 23°)	Max	n/a	1
Colour ASTM		D1500	Max	n/a	1.5
Cetane Number		D613	Min	45	48
Kinematic Viscosity @ 40°C	cSt	D445	Max	2.2-5.3	3,689
Sulphur Content	Mg/Kg	D4294/D5453	Max	500	450
Cu Corrosion(3Hr @100°C) (1)	Rating	D 130	Max	1	1
Particulate Contamination	mg/Kg	IP 440	Max	24	3
Lubricity	µm	D6079/CEC-F-06 A	Max	460	320
R.C.R (10% Bottoms)	%m/m	D524	Max	0.2	0.05
Water	Ppm(v/v)	D6304/D4928/D4377	Max	500	100
Ash	%m/m	D482	Max	0.01	<0.01
90% Recovery	°C	D86	Max	362	355
Neut Value					
Strong Acid Number	mgKOH/g	D974	Max	n/a	Nil
Total Acid Number	mgKOH/g	D974	Max	0.25	<0.05
Oxidation Stability	mg/100ml	D2274	Max	2.0	0.8
Conductivity @ 20°C	pS/m	IP274/D2624	Min	n/a	200
Flash Point	°C	D93	Max	55	70
Cold Filter Plugging Point Summer(1 Oct to 14 March)	°C	IP 309	Max	3	-1
Winter (15 March to 30 Sept)	°C		Max	-4	-7

*subject to change from batch to batch

**For Further Information, Please Call
BPSA Global Fuels Technology @ +27-11- 488 5405/5431/5112**

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