Ultra-Low Sulfur Diesel 50PPM

Description

An advanced performance fuel, complying with the SANS 342 (2006) specification, 50ppm (mg/Kg)) ultra-lower Sulfur content distillate fuel. ***Ultra-Low Sulfur Diesel 50PPM*** has been, formulated to include an exclusive additive package that enhances the characteristics of the fuel. ***Ultra-Low Sulfur Diesel 50PPM*** is designed to deliver a unique combination of enhanced engine performance and reduced exhaust emissions.

Ultra-Low Sulfur Diesel 50PPM is primarily recommended for use in all modern passenger cars and sport utility diesel engines.

Application and Benefits

Ultra-Low Sulfur Diesel 50 PPM 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 are;

- Improvement to air quality due to greater reduction in tailpipe emissions gases.
- Higher reduction in particulate matter (PM), which contributes to exhaust black smoke;
- Lower Sulfates reduce the tendency for acidic corrosion.
- **4X Cleaning power**, cleaning the injection system and allows better combustion
- More mileage, **up to 36km per full tank**
- Reduces downtime of maintaining the fuel system components
- Extends life - span of the engine
- **Up to 8% Increased power** and responsiveness due to higher Cetane number
- Enabling new vehicle exhaust after treatment device

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. The producer is not expected to accept liability if the product is used other than in the manner or with the precautions or for the purpose/s specified. 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 60ºC and exposed to the hot sun or freezing conditions.

Technical Specification

		BP LSD 50PPM			LSD 50PPM	
Property	**Units**	**Method**	**SANS 342 2006**	***Typical Results**	**Hydro-Treated Diesel Fuel (T)**	**LSD Diesel Fuel (T)**
Density @ 20 ºC/15ºC	Kg/L - ºC/kg/m3	ASTM D 4042 ASTM D 1298	0.800	0.835	0.84	0.86
Fraction Composition - (>=50% 'C) & (>96% 'CB)	ºC				340.00	290 360
Appearance - or Haze Rating (17º to 23º)	Rating	ASTM D 4176	n/a	1		
Color (By ASTM, By SNT)	Rating	ASTM D 1500	n/a	1.5	2.00	
Cetane Number/Index	Rating	ASTM D 613	45	48	50.00	45.00
Kinematic Viscosity @ 40ºC	cSt	ASTM D 445	2.2-5.3	3,689	0.00	3.0 - 6.0
Sulphur Content	Mg/Kg	ASTM D 4294 ASTM D 5453	50	48	50.00	50.00
Mass Portion Poly Aromatics	ºC				11.00	
Cupper Corrosion (3Hr @100ºC)	Rating	ASTM D 130	1	1		
Cupper Corrosion (3Hr @50ºC)	Rating	ASTM D 130				
Particulate Contamination	mg/Kg	IP 440	24	3		
Lubricity - Wear Scar Diameter	µm	ASTM D 6079 CEC-F-06 A	460	320		
Carbon Residue, Ramsbottom (10% Bottoms)	%m/m	ASTM D 524	0.2	0.05		0.01
Presence of Water - Karl Fischer	ppm(v/v)	ASTM D 6304 ASTM D 4928 ASTM D 4377	500	100		"No", 0
Ash Content (Grey Mass)	%m/m	ASTM D 482	0.01	<0.01		0.01
Distillation Initial Point (Recovery %)	ºC	ASTM D 86	362	355		

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Strong Acid Number	Mg KOH/g	ASTM D 664 ASTM D 974	n/a 0.25	Nil		
Actual Resin 100mg	100 sm3	Fuel Testing				<40
Acid Number	Mg KOH/g	ASTM D 664 ASTM D 974				<10
Iodine Number, mg I2 for sm3	100 sm3					<6
Filtering Factor	100 sm3	IP438			3.00	3.00
Oxidation Stability	mg/100ml	ASTM D 2274	2	0.8		
Conductivity @ 20ºC	pS/m	IP274 ASTM D 2624	n/a	200		
Flash Point	ºC	ASTM D 93	55	70	62.00	40-50

***subject to change from batch to batch**