



# ENVIRO-FUEL LIMITED

(Reg. No. 120170007526)

*innovation and pioneering*



## DESCRIPTION

Enviro-diesel is an **ultra-low sulfur** renewable diesel blend with premium fuel properties. The balanced formulation offer users increased performance, a clean engine with better fuel economy, enhanced fuel lubricity for less maintenance and extend *engine life*.

## APPLICATION

Enviro-diesel is compatible with medium and high-speed diesel engines such as passenger cars, SUVs, trucks, busses, tractors and earthmoving equipment, old and new engine technologies. Enviro-diesel is fully compatible with petrol-diesel, and no vehicle or engine modifications are needed – **you just pump and go.**

## PREMIUM DIESEL FUEL QUALITIES

### Ultra-low Sulfur Concentration

- improve air quality by reducing noxious gases
- reduce particulate matter, smog, and CO<sub>2</sub> emissions
- eliminate the tendency for acidic corrosion of engine
- reduced tailpipe emissions, zero black exhaust smoke

### Inherent Detergency Properties

- superior engine-cleaning properties of injector deposits
- lowers fuel consumption and improve power output
- reduce downtime maintaining fuel system components

### High Cetane Number

- less engine knock with a smooth start-up
- better combustion leads to fewer engine deposits
- complete combustion for improved performance
- quicker start-up with no smoke or start-up noises

### Enhanced Lubricity

- protection of fuel pumps and injectors
- adequate lubricity for new engine designs
- extend fuel system and *engine life*

## PHYSICAL CHARACTERISTICS

### Specification

### Typical

Net Calorific Value @ 20 °C, MJ/l	-	35.81
Density @ 20 °C, kg/l	-	0,790
Distillation, °C, 90% recovered	338 max.	317
Flash Point, (PMCC), °C	38 min.	46
Cetane Number	51 min.	54
Cold Filter Plugging Point (CFPP), °C	- 10 min.	-39
Sulfur, ppm (µg/g)G	15 max.	2
Viscosity @ 40 °C, mm <sup>2</sup> /s	1,60 to 2,60	1,9
Lubricity, HFRR @ 60 °C, micron (µm)	400 max.	232
Carbon residue on 10% bottoms, % mass	0.35 max.	0,18
Aromaticity, % vol.	10 max.	6.0
Water and Sediment, mg/kg	200 max	< 100
Copper strip corrosion rating 3h @ 100 °C	No. 3 max.	No. 1
Ash, % mass	0.01 max.	< 0.010
Electrical conductivity, pS/m	25 min.	475
Total contamination, mg/kg	24 max.	16

## PERFORMANCE LEVEL

Enviro-diesel complies with ASTM D975 specification for diesel fuel accepted worldwide.



# ENVIRO-FUEL LIMITED

(Reg. No. 120170007526)

*innovation and pioneering*



**Enviro-diesel (LSGO)**

**PREMIUM PERFORMANCE**

## DESCRIPTION

Enviro-diesel is a **low sulfur** renewable diesel blend with premium fuel properties. The balanced formulation offer users increased performance, a clean engine with better fuel economy, enhanced fuel lubricity for less maintenance and extend *engine life*.

## APPLICATION

Enviro-diesel is compatible with medium and high-speed diesel engines such as passenger cars, SUVs, trucks, busses, tractors and earthmoving equipment, old and new engine technologies. Enviro-diesel is fully compatible with petrol-diesel, and no vehicle or engine modifications are needed – **you just pump and go.**

## PREMIUM DIESEL FUEL QUALITIES

### Low Sulfur Concentration

- improve air quality by reducing noxious gases
- reduce particulate matter, smog, and CO<sub>2</sub> emissions
- eliminate the tendency for acidic corrosion of engine
- reduced tailpipe emissions, zero black exhaust smoke

### Inherent Detergency Properties

- superior engine-cleaning properties of injector deposits
- lowers fuel consumption and improve power output
- reduce downtime maintaining fuel system components

### High Cetane Number

- less engine knock with a smooth start-up
- better combustion leads to fewer engine deposits
- complete combustion for improved performance
- quicker start-up with no smoke or start-up noises

### Enhanced Lubricity

- protection of fuel pumps and injectors
- adequate lubricity for new engine designs
- extend fuel system and *engine life*

## PHYSICAL CHARACTERISTICS

## Specification

## Typical

Net Calorific Value @ 20 °C, MJ/l	-	36.81
Density @ 20 °C, kg/l	-	0,824
Distillation, °C, 90% recovered	338 max.	311
Flash Point, (PMCC), °C	38 min.	63
Cetane Number	45 min.	51
Cold Filter Plugging Point (CFPP), °C	4 min.	- 4
Sulfur, ppm (µg/g)G	500 max.	200
Viscosity @ 40 °C, mm <sup>2</sup> /s	1,3 to 4,1	2,95
Lubricity, HFRR @ 60 °C, micron (µm)	460 max.	244
Carbon residue on 10% bottoms, % mass	0.35 max.	0,19
Aromaticity, % vol.	25 max.	17.0
Water and Sediment, mg/kg	200 max	< 100
Copper strip corrosion rating 3h @ 100 °C	No. 3 max.	No. 1
Ash, % mass	0.01 max.	< 0.010
Electrical conductivity, pS/m	100 min.	420
Total contamination, mg/kg	24 max.	16

## PERFORMANCE LEVEL

Enviro-diesel complies with ASTM D975 specification for diesel fuel accepted worldwide.