



IMPROVING
THE FUTURE

ECOFUEL

Bio Fuel

GENERAL DESCRIPTION

EcoFuel is a fuel with a similar calorific value to traditional fuels. With low viscosity, is an alternative for industrial uses, it also improves properties such as viscosity when mixed with heavy fuels. Pour and Cold filter plugging points are lower than traditional fuels, so it can be used in extreme locations with low temperatures and high-altitude places.

Ecofuel has less content of sulfur, ashes, carbonaceous material and sediments & water, resulting in less atmospheric pollution when heavy fuel is replaced partial or totally by Ecofuel.

EcoFuel has biomass content. When burned, a fraction from its CO₂ emissions are neutral.

ECOFUEL ADVANTAGES

Environmental Benefits: EcoFuel comes from a tire with a high portion of biomass (natural rubber). Using this fuel, part of the emissions are CO₂ neutral.

Competitive Benefits: Companies using EcoFuel will obtain environmental certification for their contribution reducing the carbon footprint.

Competitive Price: EcoFuel is not indexed to the oil price.





APPLICATIONS

- Stationary engines
- Electrical generators
- Steam generators
- Additive for heavy fuels
- Raw material for other products

EcoFuel Properties

PARAMETERS		TEST	VALUES	CHILEAN STANDARD DS 60/2013*	
Variable	Unit		EcoFuel	Diesel B-2	Fuel Oil #6
Flash point	°C	ASTM D93-16a	<40	52	60
Pour point	°C	ASTM D97-16	-48	-1	32
Sediment and water	% v/v, max.	ASTM D4176-14	<0.05	0.05	2
Carbon residue (on 10% distillation residue)	% m/m, max.	ASTM D4530-15	No Det	0.2	-
Ash content	% m/m	ASTM D482-13	<0.001	0.01	-
Kinematic viscosity, 40 °C	mm ² /s	ASTM D445-15	2.197	1.9-4.1	15-50
Sulfur content	% m/m, máx.	IP 336/04 (2014)	0.74	0.005	3
Copper strip corrosion	Rating	ASTM D 130-12	3a	2	-
Cetane index number	-	ASTM D4737-16	-	40	-
Density 15°C	kg/m ³	ASTM D4052-15	880.4	820-876	994.9
Density 35°C	kg/m ³	ASTM D4052-15	865.3	-	-
Poly aromatic hydrocarbons	%m/m, max.	UNE EN 12916-07	9.9	-	0.005
CFPP	°C	UNE EN 116-15	-2	N/I	N/I
Aromatics	%v/v, max.	ASTM D1319-15	93.2	-	-
Olefins	%v/v, max.	ASTM D1319-15	6.8	-	-
Saturates	%v/v, max.	ASTM D1319-15	<1	-	-
Gross calorific value	kcal/kg	ASTM D240-14	10521	10900	10500

*Chilean quality specifications for fuels.