

Airline Emission Forecast Through Empirical Analysis of Its Contributing Factors

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Abstract

Bio fuel is the most valuable form of renewable energy that can be used directly in any existing, unmodified diesel engine. Bio fuel can be produced from oilseed plants such as rape seeds, sunflower, canola and or Jatropha. Bio fuel is environmental friendly and ideal for heavily polluted cities. Bio fuel is as biodegradable as salt. Bio fuel produces 80% less carbon dioxide and 100% less sulfur dioxide emissions. It provides a 90% reduction in cancer risks. Bio fuel can be used alone or mixed in any ratio with mineral oil diesel fuel. Bio fuel extends the life of diesel engines, and also a cheaper and cleaner alternative.

Unlike other transportation sectors, aviation currently has no viable alternative to burning fossil fuels; it currently consumes 2-3% of all such fuels burnt. To place this in context, the whole transportation sector uses 20-25% of all fossil fuel consumption and, of this share; aviation consumes 12%, compared to the 75% used by road transport. Alternative energy sources offer the potential to reduce greenhouse gas emissions. We are pioneering advancements in environmentally progressive energy sources in two key fields. Bio-fuel blending with diesel for ground vehicle. Bio-fuel blending with Jet A1 fuel. Apart from the Bio-fuel, the alternative way of reducing the emissions are by having a) Better Infrastructure b) Alternative Fuel c) Improved Technology d) Car-pooling e) Reduction in consumption of processed foods f) Reduction in plastic material g) Green drive- Planting more trees h) Education and awareness programs.

Keywords

Bio Fuel, ways to reduce emissions and carbon offsetting for developing countries