



PUYAT VINYL PRODUCTS, Inc.

Increase Percentage of Biofuel in Diesel-Biofuel Blend for Boiler

SUMMARY OF THE OPTION

Puyat Vinyl Products Inc. (PVPI), one of the leading vinyl tile manufacturers in the Philippines located on the island of Luzon. The company produces 4,930 tons of vinyl tiles for flooring along with its accessories, including glue/adhesive and floor care/wax. A performance audit was conducted of the company's packaged type fire tube boiler, which is used to produce steam for its production process. It uses 13,203 liters of diesel per year and emits approximately 35.4 tons of CO₂ per year. Because of the growing concern about climate change, the company uses a one percent biofuel (coconut methyl ester) and 99% diesel fuel mix for the boiler. To further reduce greenhouse gas emissions, the company aims to increase the percentage of biofuel in the fuel mix. At the time of writing of this case study, tests to determine the optimum ratio of biofuel and diesel were yet to be completed.

KEY WORDS

Chemicals, Philippines, Fuels & Combustion, Boilers & Thermal Fluid Heaters, Alternative fuel, Biofuel

FOR MORE INFORMATION

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