THE EFFECT OF 20% ETHANOL ADDITION FOR GASOLINE FUELED GENERATOR SET FUEL CONSUMPTION

ABSTRACT

Octane number is a reference to measure the quality of gasoline as gasoline generator fuel. SFOC higher gasoline less tendency to knocking. Ethanol is a chemical solution that provides a positive influence to improve the SFOC of gasoline. From the experimental results obtained with the generators that with the addition of 20% Ethanol in Gasoline and obtained 80% power produced by the generator, the most optimal.

Keywords: FC (Fuel Consumption), SFOC (Specific Fuel Oil Consumption), Genset, Ethanol.