عنوان مقاله:

Application analysis of Gas Turbine being exercised under various fuels; case study

محل انتشار:

کنفرانس ملی مهندسی مکانیک ایران (سال: 1392)

تعداد صفحات اصل مقاله: 13

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خلاصه مقاله:

In this research the Gas turbine performance which is located in Parand has been studied through analysis of gas and liquid fuels and gasification of solid. Statistical analysis has been carried out in different ranges of air excession. At the same time, observed Gas Turbine efficiency for power plant is based on air excession percentage in different fuels like liquid diesel fuel, gas CNG fuel and solid fuel of gasified wood. Meanwhile, changes in behavior of net production power, compressor consumption power, turbine inlet temperature, enthalpy range of exiting gas from gas turbine is calculated based on air excession percentage on different fuels. The results are investigated based on figures through a comparative analysis

کلمات کلیدی:

Gas turbine, excess air, power plant efficiency net, production power, compressor consumption power, turbine inlet temperature