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A Review Paper on Interpretation of Thermal Paint

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Abstract: *Thermal Paint is a kind of Temperature sensor and also the best way to measure the surface temperature of any hot component. Thermal paint is a type of functional paint that is mostly used to measure the temperature of a gas turbine by observing the difference in color change .it is used in a gas turbine for measuring the temperature of the hot component of a gas turbine. In Gas Turbines major components lose their dimensional accuracy due to uncontrolled temperature. Due reduction in CO2 emissions and increasing the efficiency of the Gas Turbine can lead to a temperature increase in Gas turbines. It is not easy to track the Temperature of the component of a gas turbine using electronic gadgets in such a high and complex structure. Here the thermal Paints are useful for measuring temperature. Proper information about temperature can be determined by observing the color change in thermal paint applied to components. This article discussed on Interpretation of thermal paint on gas turbines. Since a color change is happening in paints this can be analyzed by using different techniques and extracting the data after an operation and Can be examined using data image processing.*

Keywords: Thermal paint, Gas Turbine, Temperature, Blades

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