

# Oil temperature and wind temperature of the generator

Due to the harsh working environment and high levels of wind, sand, and dust, after long-term use of diesel engines, a thick layer of oil putty will stick to the outside of the engine body and oil pan, making it ...

This model is based on an analysis of the thermodynamic behavior of the three-stage transmission in the wind-turbine gearbox and internal oil-spray lubrication.

In this paper four fault location algorithms based on discrete wavelet transform using global positioning system are described and compared.

The invention provides a wind turbine generator gearbox oil temperature anomaly detection method, device and equipment and a medium.

According to the reports, the maximum oil sump temperature for wind turbine gearbox is 95 °C [8]. Also the maximum temperature for large scale wind turbine generator was reported 85 °C [9].

The hybrid model demonstrates significant application value in the prediction of gearbox oil temperature, accurately forecasting oil temperature data under different operating conditions.

The invention relates to the technical field of detection of abnormal oil temperature of a gearbox of a wind turbine generator, in particular to a method and a system for detecting abnormal...

This paper studies a gearbox fault monitoring device for wind power, which includes digital signal processor, sensor module, A/D conversion module, ad hoc netwo

For the wind turbine gearbox oil temperature change problem, this paper establishes a stochastic differential equation model of gearbox oil temperature change and uses an iterative calculation method to optimize the ...

Firstly, based on the principles of thermal balance and wind energy conversion, a feature extraction method considering the physical change process of oil temperature is proposed.

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