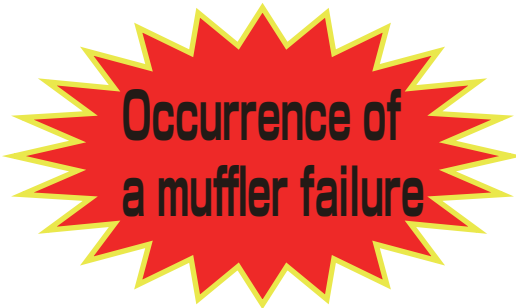




Recommendation: Renovating the exhaust muffler for a gas turbine power generation system

The exhaust muffler has the very important roles of silencing (reducing) exhaust sound and securing power output by smooth exhaust gas emission.

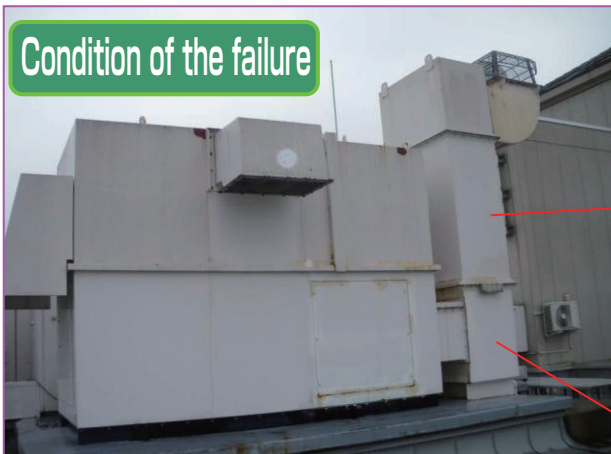
- The inside of the exhaust muffler consists of heatproof material (soundproof material) and a flow straightner (rectifier) unit. Due to the effects of the ambient conditions and after passing the replacement period, due to the rust, the heatproof material may be peeled off and it will interface the smooth emission of the exhaust gas from engine. This may cause a very dangerous operation failure.



Estimation of the failure

- Abnormal increase of the exhaust gas temperature
- Engine burnout
- Decrease of the power output
- Starting failure
- Damage to people such as burn injury

When such material failure occurs, three months or more are required for sourcing and full recovery.



It is difficult to tell the condition of the inside just by looking from outside. Even if you feel it might be O.K., but the failure may happen any time without notice.



We strongly recommend to perform the diagnosis and conduct the renovation for mufflers of more than 10 years in service.

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