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Title : FAILURE OF A ROTOR BLADE OF TURBINE UNIT K-601 OF MADRAS FERTILISERS LIMITED

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Abstract :

The failure of the first stage turbine blade in rotor C of Unit K- 601 was analysed. It is concluded that the blade had fractured first at the tenon due to high hardness of the base material. The fracture of the tenon led to vibration of the blade and its failure at the outer hole by fatigue.