

# Rotor Classified 'Beyond Economic Repair'

## INTRODUCTION

The customer is part of a large Sugar group in Southern Africa. The problem started with a close down in power generation due to break down of their 30 MW turbine at their unit. This turbine had been commissioned just 11 months back. The first information recorded was that the 30 MW was on full power and due to high vibration the turbine had tripped. The customer approached the OEM who reviewed the rotor and classified it as 'beyond economical repair'. The customer then decided to explore other options & service providers before taking the final decision and discovered Triveni Refurb team who reassured them that as an OEM ourselves we could support the customer in putting back their turbine to working condition.

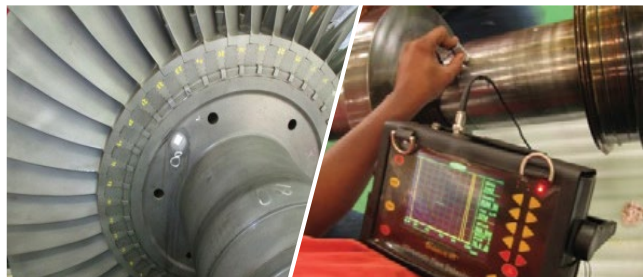


## CHALLENGE

The visual inspection carried out at the customers place gave us adequate confidence that we could repair the rotor. We did RLA and NDT to establish the integrity and life of the rotor. The rotor was then shipped to India for further analysis.

## SOLUTION

The rotor was inspected, reverse engineered, necessary corrective actions taken, re-bladed, high speed balanced in the Schenck tunnel. All necessary tests were carried out as per the established procedures and we documented that the rotor was fit for use and the life of the rotor was also informed to the customer and then dispatched to the customer.



## CUSTOMER SPEAK

We had only 3 months to transport our rotor to the Triveni Turbines workshop in Bangalore, work on repairs, transport the rotor back and commission the turbine successfully. The fact that the Triveni REFURB team was able to succeed in this very difficult task is testimony to the customer focus and professionalism, not to mention very high levels of competency. I will admit that there were times when I doubted whether we could pull this effort off, but we did succeed and I am especially pleased because this validated our decision to award the contract to Triveni REFURB.



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## Global Network

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