

Improving Operational Excellence Adopting TPM Practices in an Indian Automobile Industry: A Case Study

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Abstract : The purpose of this paper is to present a case study on TPM implementation methodology and to highlight the benefits achieved after TPM in an engineering industry XYZ Ltd. (name changed) situated in Mohali, Punjab. The improvements in key performance indicators (PQCDSM) after implementing the TPM proved that its implementation helped the company significantly to achieve higher productivity, customer satisfaction, morale, and profits. The manufacturing cost reduced by 30%, overall equipment efficiency increased from 63% in 2010 to 84% after three years and productivity improved by 67%. The Company has won the TPM Excellence Award, Category-A in 2013 and after that continued implementing second phase of TPM. The findings of the study govern that the strategic TPM implementation can significantly contribute for the realization of operational excellence in almost all types of industry.

Keywords : total productive maintenance, overall equipment efficiency, continuous improvement, manufacturing excellence, availability, TPM initiatives, productivity

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