

REDUCING THE REJECTION OF FORGED PRODUCTS IN A FORGING INDUSTRY: A CASE STUDY

ABHAY P. JOHN¹, GEORGE MATHEW², B. BIJU³ & PRAKASH M. KALLANICKAL⁴

¹P. G. Scholar, Department of Mechanical Engineering, Mar Athanasius College of Engineering,
Kothamangalam, Kerala, India

²Assistant Professor, Department of Mechanical Engineering, Mar Athanasius College of Engineering,
Kothamangalam, Kerala, India

^{3,4}Associate Professor, Department of Mechanical Engineering, Mar Athanasius College of Engineering,
Kothamangalam, Kerala, India

ABSTRACT

What really matters in any production industry is the quality of products they deliver. With the aim of quality can't be compromised, the underlying factors that affects the quality of products in a forging industry is studied. Paper discusses the quality issues related to cam shaft gear. Major tool used in the study is root cause analysis. The major contributor to the rejection of finished forged products has been identified and suggestions are given to avoid the problem.

KEYWORDS: Pareto Analysis, Fish Bone Diagram, Decarburisation