

CQI 9 - Heat Treatment System Assessment Training Programme Outline

Course Overview

Wepropel India brings you courses on all CQI standard. CQI 09 Heat treatment system assessment training is a program designed to educate individuals in evaluating and optimizing heat treatment processes in various industries. It covers topics such as furnace operation, temperature control, heat transfer, and safety protocols. This training equips participants with the knowledge and skills needed to ensure efficient and consistent heat treatment, leading to improved product quality and energy efficiency while minimizing waste and cost. It's essential for industries like manufacturing, aerospace, and automotive, where precise heat treatment is crucial for the performance and durability of products. Participants learn how to ensure heat treated products meet industry standards and maintain product quality along with requirements of CQI 09 Standard as per AAIG. The goal of the Heat Treat System Assessment is the development of a heat treat management system that provides for continual improvement, emphasizing defect prevention and the reduction of variation and waste in the supply chain.

Who should attend?

Participants from technical background, related to heat treatment process, like Production Team, QA / QC Team, Operations Team, Project Managers / Leader / Engineers, Maintenance Team, etc.

Course Duration – 02 Days

Organizational Objective or benefits

1. To have a team with complete understanding of the scope CQI 09 requirement as per AIAG
2. To have a consistent HTSA process inside the factory and comply CQI 09 Requirements.

Learning objective

1. Knowledge and awareness of CQI 9 requirements
2. Making participants awareness of the various records needed as per CQI9 requirement.
3. Prepare to conduct an assessment of a heat treat system in order to ensure it provides for continual improvement, emphasizing defect prevention and reduction of variation and waste in the supply chain

Training methodology:

1. Class Room Activity based / Virtual Live Training with Activities
2. Group Discussion

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Body of Knowledge

1. Program Objective
 2. What is CQ I-9
 3. Objective of CQI- 9
 4. A brief History
 5. Advantages
 6. Applications
 7. Introduction to Heat Treatment - FeC diagram
 8. Introduction to Various HT processes covered by CQI 9 and applications
 9. SECTION 1: Management Responsibility and Quality Planning
 10. SECTION 2: Floor and Material Handling Responsibility
 11. SECTION 3: Equipment
 12. SECTION 4: Job Audit
 13. Management Responsibility and Quality Planning –
 14. Floor and Material Handling Responsibility
 15. Equipment
 16. Equipment details
- A. Thermocouple. Instrumentation, SAT, Temperature uniformity survey, Thermography, AMS 2750e, E10, E18 and E for micro hardness

Job Audit

Process tables

Common pitfalls

Q & A

Standard edition details: CQI Standard latest edition will be used during the training

Certificate

Certificate of successful completion shall be issued to all the delegates who attend entire duration of the course & pass the examination.