



Title: Machine Shop Senior Trainee

Type of Employment: 2 year Fixed Term Contract

Start Date: 3rd August 2015

Hours of Work: 40 hrs per week

Salary: £17,000 - £19,000 (depending on experience)

Personal Mentor: Machine Shop Manager

Based at: Machine Shop – Ropley Works

Background:

CanPac – Engineering a Future from the Past is a project in partnership with the Heritage Lottery Fund (HLF) to strip down, repair and return to service an Oliver Bullied designed steam engine by the name of *Canadian Pacific* and two carriages also designed by Bullied.

Job Purpose:

Working under the direction of the **Mid Hants Railway (MHR) Machine Shop Manager**, to repair and manufacture from new those metal components needed for the restoration of the two very rare wooden framed 1940's carriages and the steam engine *Canadian Pacific* all designed by Oliver Bullied for the Southern Railway.

Key Responsibilities and Accountabilities:

By making use of the railways on site machine shop facilities the **Machine Shop Senior Trainee** will, by using their existing experience facilitate the completion of the carriages and engine included in this project whilst at the same time advancing and developing their own skills and learning.

The job holder will have served a recognised apprenticeship and be competent in the use of:

1. Centre Lathe for:
 - 1.1. Turning
 - 1.2. Facing
 - 1.3. Boring
 - 1.4. Parting off
 - 1.5. Grooving
 - 1.6. Screw cutting
2. Capstan Lathe setting & operation
3. Vertical and Horizontal Mills
4. Vertical Borer
5. Planner
6. Shaper
7. Qualified to use Oxy Acetylene/Propane equipment cutting and an appreciation and/or experienced in the use of welding equipment
8. All components manufactured or renovated shall be marked for later identification and stored in an appropriate environment.

9. The manufacture and renovation of components shall be comprehensively documented by photograph and where appropriate by video to create an historical record. The post holder must be prepared to be photo'd and video'd with images being placed on the website and elsewhere. Recordings will be made for display on our social media interfaces so that interested parties may engage in this exciting phase of the project.
10. At all stages of the process every effort must be made to engage and include both skilled and unskilled volunteers in the programme.
11. A minimum of two open days will be held to engage with the wider community of interested parties. The post holder will be involved in these Open Days and will be expected to engage with visitors on these occasions.
12. Monitor and report on activities and upload material to the website / social media and engage with project followers through Twitter.

PERSON PROFILE

Personality: Self-driven, conscientious person with a positive outlook, having a clear focus on high quality and be sympathetic to the value and significance of this heritage artefact. A natural forward planner who can critically assess mechanical components, someone who is reliable and tolerant being able to work with the team and engage with volunteers and members of the public. A good 'people' person who is well presented as the team will be the representative of the Mid Hants Railway. Able to get on with others, be a team-player and fully safety aware.

Specific Job Skills: The job holder will have served a recognised apprenticeship, which includes comprehensive use of machine tools or formal learning period and be looking to improve their skills and knowledge base. They will ideally have experience in use of both metric and imperial dimensional notation and technical drawing interpretation. Some experience as a mechanical fitter able to demonstrate their capability to safely work under minimal supervision.

The **Apprentice Supervisor** will provide support and interface with training and education suppliers.

Literacy, Numeracy and Computer Skills: Must be a competent writer of technical reports and able to communicate technical information to readers at levels. Must be able to use MS Office, particularly Excel and Word and be competent in the use of the Internet and E-mail. Monitor and report on activities and upload material to the website / social media and engage with project followers through Twitter.

Personal Gains: The post holder will be encouraged to produce a work portfolio describing some of the activities undertaken during the placement. They will receive both formal certified and informal one to one training. This will be tailored to the individual depending on any skills gaps and identified improvement opportunities. At the end of the placement a Skills Matrix Certificate will be awarded to assist the post holder in seeking future employment in the Heritage sector or elsewhere. The post holder will have had a period of working in a heritage environment on a flagship project working with highly skilled and respected engineers; this whilst advancing and developing their own skills and learning should create a firm foundation for their future chosen career.

The post holder will have a rare opportunity to learn skills from a highly experienced but aging workforce in a unique environment. This placement gives the trainee the opportunity to acquire irreplaceable skills thus enabling them to preserve this heritage for future generations.

Application: Applications in writing, with CV to:

Derek Simmonds

canpac@watercressline.co.uk

Mid Hants Railway, Alresford Station, Alresford, Hants SO24 9JG