



# Steam Engineer

<b>Job Title:</b>	Steam Engineer
<b>Location:</b>	Bressingham Steam Museum, Norfolk
<b>Contract:</b>	Permanent – Full-time
<b>Hours of Work:</b>	Five days per week (40 hours) - including weekends
<b>Salary:</b>	Up to £28,000 per annum
<b>Leave Entitlement:</b>	28 days (inclusive of bank holidays)
<b>Reporting to:</b>	General Manager

## Purpose of the Job

To assist in the maintenance of steam engines, rolling stock and other machinery at Bressingham; particularly Welding, sheet metal work and fitting. This will be work done on historically important and valuable exhibits thereby contributing to the successful and safe operation of an educational visitor attraction/museum for 2025 and beyond.

## Duties

The main duties and responsibilities of the post include:

1. Welding, sheet metal work and machining parts for steam engines, rolling stock and other machinery.
2. Fitting, welding, grinding, repairs and lifting.
3. Ensuring the safe operation of steam engines, rolling stock and machinery.
4. Cleaning and painting exhibits and machinery, when required.
5. Undertaking running repairs as necessary.
6. To undertake restoration of steam engines, rolling stock and machinery and show due diligence for the management of such projects.
7. Work to assist in the maintenance of railway buildings, where necessary.
8. Work with colleagues and contractors across the museum to create an attractive, safe and successful organisation.
9. Drive steam, diesel and electric locomotives when necessary and as qualified.
10. Assist in whatever way possible during emergency situations.
11. Assist with engineering requirements of the track maintenance team on occasion when directed by the Curator and Deputy Manager.

12. Assist with engineering related aspects of seasonal changes to the museums outward facing displays.
13. Liaise with external contractors for quotes, letting of tenders and onsite management of external contractors as directed by the Curator and Deputy Manager.
14. Placing orders with suppliers.
15. Participate in preventative maintenance of steam engines, rolling stock and machinery at Bressingham.
16. Participate in the preparation of steam boilers for inspection as required.
17. Keep necessary maintenance records as directed by Bressingham's management systems including use of the digital Safety Management System and asset register.
18. Conduct safety and operational inspections of steam engines, rolling stock and machinery.
19. Lead and manage volunteer tasks.
20. Travel when required to inspect potential acquisitions by the museum in conjunction with the Curator and Deputy Manager/General Manager or his/her nominee.
21. Travel when necessary to inspect and conduct running repairs to Bressingham's steam engines that are offsite when required to do so.
22. Work at moderate heights to participate in the restoration and maintenance of steam engines, rolling stock and other machinery.
23. Take responsibility for the health and safety of visitors and other staff, conducting risk assessments as necessary, seeking expert help and guidance as needed.
24. Where necessary, comply with relevant regulatory and statutory requirements.
25. To act as a Duty Engineer/Duty Manager when required.
26. To train as a First Aider and occupy that role when required.
27. Any other duties as may reasonably be assigned from time to time by the Operations Manager, or General Manager, or his/her nominee.

## Criteria

Applicants wishing to apply for the post are required to explain how they meet the following criteria:

	<b>Essential</b>	<b>Desirable</b>
<b>Education and Qualifications</b>	<ul style="list-style-type: none"> <li>• Driving license</li> </ul>	<ul style="list-style-type: none"> <li>• Qualifications in metal Welding and Sheet Metal work</li> <li>• Forklift license</li> </ul>
<b>Knowledge and Expertise</b>	<ul style="list-style-type: none"> <li>• An understanding of steam engine mechanics and steam boilers</li> <li>• Knowledge of safe workshop working practices</li> <li>• Experienced mechanical engineer</li> </ul>	<ul style="list-style-type: none"> <li>• Extensive experience of working with a range of steam engine sizes and types</li> <li>• Previous experience of working with full size steam boilers</li> </ul>

	<ul style="list-style-type: none"> <li>• Computer literate</li> </ul>	<ul style="list-style-type: none"> <li>• Knowledge of the workings of railways</li> <li>• Knowledge of railway braking systems</li> <li>• An extensive understanding of the workings of steam boilers and the inherent safety issues</li> <li>• Ability to conduct inspections and make judgements regarding metal fatigue and risk of failure</li> </ul>
<b>Skills</b>	<ul style="list-style-type: none"> <li>• Manual Arc and MIG welding</li> <li>• Ability to work in both imperial and metric measurements</li> <li>• Fitting skills</li> <li>• Working knowledge of thread sizes</li> <li>• Ability to lead volunteers and contribute to projects</li> </ul>	<ul style="list-style-type: none"> <li>• Riveting</li> <li>• Produce, where necessary engineering drawings</li> <li>• Turning: experience of metal turning using a variety of lathe sizes and different raw metals and castings; including setting up</li> <li>• Milling: experience of metal milling using a variety of mill sizes and different raw metals and castings; including setting up</li> <li>• Follow engineering drawings</li> <li>• Working with Oxy-Acetylene torches for metal cutting</li> <li>• Experience of operating tractors/plant equipment</li> </ul>
<b>Attitude</b>	<ul style="list-style-type: none"> <li>• Enthusiasm</li> <li>• Ability to work with and communicate positively with other staff, volunteers and visitors</li> <li>• Positive attitude to work with due diligence for health and safety</li> <li>• A “Can do”, problem solving attitude to challenges</li> <li>• Adaptability and versatility</li> <li>• Resilience</li> <li>• Open to new learning</li> <li>• Ability to work in all weathers</li> <li>• Ability to work alternate weekends during the main open season (April to October inclusive) plus at</li> </ul>	

	least two weekends November and December in the run up to Christmas	
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## Appointment Terms

This post is offered on a full-time permanent basis after a successful probationary period of 6 months. The post requires alternate weekend working during the main season (April to October Inclusive).

## Benefits

- Free entry to the museum for family and friends.
- Flexible working patterns.
- Employee pension
- Private health plan

## Equal Opportunities

Bressingham Steam Museum is a diverse community and is committed to providing equality of opportunity to all staff, volunteers and visitors.

## Informal Enquiries

For informal discussions about this role please contact:

Ben Bancroft (Interim General Manager)

Email: [bb@bressingham.co.uk](mailto:bb@bressingham.co.uk)

Telephone: 01379 686900

## Applications

Candidates should feel free to submit additional information in the form of a CV but should note that we will not shortlist anyone who returns an application that is incomplete.

**Closing date:** Tuesday 17<sup>th</sup> June 2025

**Interview date:** Week Commencing 23<sup>rd</sup> June 2025

**To apply for this post:**

- Attach a curriculum vitae and a letter of application setting out clearly how you meet the essential and desirable criteria for this post.
- Return them by e-mail to [info@bressingham.co.uk](mailto:info@bressingham.co.uk), including the post title in the e-mail subject area.
- Or by post to:  
General Manager  
Bressingham Steam Museum

Low Road  
Bressingham  
Norfolk  
IP22 2AA

- If you are unable to apply via email, please ask for an application pack from the address above, or by phone on 01379 686900.