



Gloucestershire Warwickshire Steam Railway Plc
Risk Assessment for Exchanging Bogies on Mk1 Coaches - Carriage and Wagon

Risk Assessment - Exchanging Bogies on Mk1 Coaches

Reference No: CAR-44034-53
 Version No: 2
 Assessment Approver: Kevin Jarvis

Department: Carriage and Wagon
 Date Of Assessment: 22 July 2020
 Review Due Before: 26 February 2030
 Lead Assessor: I Stroud
 Team:

Lifting/Lowering a Mk1 Coach Clear using Carriage Jacks

| Type | Hazard Cause | Persons Affected | Control Measures | L S T Overall | Additional Control Measures | L S T Overall | Owner/Action |
|-------------------|--|---------------------------------|--|--|-----------------------------|--|--------------|
| Health and Safety | Coach Falling from Jacks onto Persons Below Incorrect Use of Carriage Jacks | Volunteers, Staff & Contractors | 1) CRITICAL - Engineering: The Carriage Jacks and Operating System are inspected every 6 months by a contract inspection and insurance company. - Effective 2) CRITICAL - Administrative: Only Authorised Persons who are trained and competent have keys to operate the jacks. - Effective | 1 x 4 = 4 Low - Risk to be monitored to ensure it remains adequately controlled to an acceptable level. | None | 1 x 4 = 4 Low - Risk to be monitored to ensure it remains adequately controlled to an acceptable level. | n/a |
| Health and Safety | Injury caused by Tripping, Hitting Head, or using Hand Tools in a Confined Space Whilst Working on a Bogie in the Pit Under Coach | Volunteers & Staff | 1) CRITICAL - PPE: Personnel always wear suitable hand and head protection whilst working under coaches - Effective | 2 x 1 = 2 Low - Risk to be monitored to ensure it remains adequately controlled to an acceptable level. | None | 2 x 1 = 2 Low - Risk to be monitored to ensure it remains adequately controlled to an acceptable level. | n/a |
| Health and Safety | Possible Injury to Hands and/or Feet Whilst moving a Bogie in or out from Under a Coach | Volunteers & Staff | 1) CRITICAL - PPE: Gloves and safety footwear are always worn when working on bogies. - Effective | 1 x 2 = 2 Low - Risk to be monitored to ensure it remains adequately controlled to an acceptable level. | None | 1 x 2 = 2 Low - Risk to be monitored to ensure it remains adequately controlled to an acceptable level. | n/a |
| Health and Safety | Muscle Injury Whilst Using a Heavy Tool in the Pit Under Coach | Volunteers & Staff | 1) CRITICAL - Engineering: Power Tools are used to minimise this risk. - Effective 2) CRITICAL - Administrative: Staff must be aware of their own limitations. - Effective | 2 x 2 = 4 Low - Risk to be monitored to ensure it remains adequately controlled to an acceptable level. | None | 1 x 2 = 2 Low - Risk to be monitored to ensure it remains adequately controlled to an acceptable level. | n/a |



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| Health and Safety | Crush Injury It is necessary to enter a confined space under a partially raised vehicle to connect/disconnect brake rigging | Volunteers & Staff | 1) CRITICAL - Administrative: Persons can only go under a raised vehicle when an 'Emergency Stop' button has been activated or the control panel is isolated and locked off. - Effective 2) CRITICAL - Administrative: No part of the body must be placed on or under the lift when it is taking place. - Effective | 1 x | 4 = | 4 | None | 1 x | 4 = | 4 | n/a |
| | | | | Low - Risk to be monitored to ensure it remains adequately controlled to an acceptable level. | | | | Low - Risk to be monitored to ensure it remains adequately controlled to an acceptable level. | | | |

Pushing a bogie either out from under or back into place

| Type | Hazard Cause | Persons Affected | Control Measures | L Overall | S | T | Additional Control Measures | L Overall | S | T | Owner/Action |
|-------------------|---|--------------------|---|---|-----|---|-----------------------------|---|-----|---|--------------|
| Health and Safety | Injury to Hands and or Feet When Moving Bogie by hand. | Volunteers & Staff | 1) CRITICAL - Engineering: Staff to be aware of pinch points and keep hands and feet etc. well clear. - Effective 2) CRITICAL - PPE: Overalls, gloves and safety footwear are to be worn when undertaking this task. - Effective | 1 x | 2 = | 2 | None | 1 x | 2 = | 2 | n/a |
| | | | | Low - Risk to be monitored to ensure it remains adequately controlled to an acceptable level. | | | | Low - Risk to be monitored to ensure it remains adequately controlled to an acceptable level. | | | |

COSHH Assessments

There are no COSHH assessments associated with this risk assessment.

Ends