Gloucestershire Warwickshire Steam Railway Plc
Risk Assessment for Crane lifts of components, equipment or supplies - Global

Risk Assessment - Crane lifts of components, equipment or supplies

Reference No: STE-44322-40
Version No: 4
Assessment Approver: Kevin Jarvis

Department: Global
Date Of Assessment: 06 May 2021
Review Due Before: 13 January 2028
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Crane and Hi-ab lifts of various items

Type	Hazard Cause	Persons Affected	Control Measures	L S T Overall	Additional Control Measures	L S T Overall	Owner/Action
Health and Safety	Damage to surrounding infrastructure Contact between crane, lifted items and surrounding infrastructure	Everyone	1) CRITICAL - Engineering: A Lift Plan should be in place and identify any issues prior to the lift starting - Effective 2) CRITICAL - Administrative: Lift area to be assessed and cleared of any unnecessary items to reduce the likelihood of any impact - Effective 3) CRITICAL - Administrative: A lifting supervisor to be present to control the activity - Effective 4) CRITICAL - Administrative: Use a minimum number of assistants to monitor the lift, look for blind spots and alert the crane driver or lift supervisor of any issues - Effective 5) CRITICAL - Administrative: The item being lifted must be inspected and cleared of anything likely to become dislodged or fall during the lift. - Effective	2 x 3 = 6 Medium - Risk to be minimised and controlled so far as is reasonably practical.	None	2 x 3 = 6 Medium - Risk to be minimised and controlled so far as is reasonably practical.	n/a
Health and Safety	Failure of Lifting Gear Structural failure of crane, strops, slings etc	Everyone	1) CRITICAL - Administrative: Always use a professional, suitably qualified and certified contract company to provide the crane, hi-ab, operatives and lifting gear. - Effective 2) CRITICAL - Administrative: Ensure that a suitable lift plan is in place and that all equipment to be used is capable of the requirements - Effective	2 x 5 = 10 Medium - Risk to be minimised and controlled so far as is reasonably practical.	None	2 x 5 = 10 Medium - Risk to be minimised and controlled so far as is reasonably practical.	n/a
Health and Safety	Injury to People Contact with moving equipment	Everyone	1) CRITICAL - Engineering: Use barrier tape or other means to isolate the work area from others - Effective 2) CRITICAL - Administrative: Only those involved in the lift directly to be in the work area - Effective 3) CRITICAL - Administrative: Stop the lifting operation if anyone enters the lift area - Effective 4) CRITICAL - Administrative: Assess all potential pinch points for those involved in the lift - Effective 5) CRITICAL - Administrative: Never walk underneath a lifted load - Effective 6) Administrative: Consider carrying out lifts on days when volunteer numbers are low. - Effective 7) Administrative: If possible, carry out lifts on days when the railway is closed to the public - Effective 8) CRITICAL - PPE: All those involved in lifting operations to wear appropriate PPE including but not limited to safety footwear, hard hat, gloves and hi-viz - Effective	2 x 3 = 6 Medium - Risk to be minimised and controlled so far as is reasonably practical.	None	2 x 3 = 6 Medium - Risk to be minimised and controlled so far as is reasonably practical.	n/a

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Health and Safety	Impact of weather conditions High winds causing issues with unstable lifts	Everyone	1) CRITICAL - Administrative: Wind speeds to be checked before a lift starts and cross referenced to the safe working limits of the equipment in use. - Effective 2) CRITICAL - Administrative: For prolonged lifts the wind speed must be measured throughout the job and appropriate action taken if the speed becomes excessive. - Effective 3) CRITICAL - Administrative: Particular care to be taken if gusting winds are present. - Effective 4) CRITICAL - Administrative: Impact of impairment of vision during periods of heavy rain, snow or fog to be considered. - Effective 5) Administrative: Consider checking the weather in advance via the Met Office for any issues. - Effective	2 x 3 = 6 Medium - Risk to be minimised and controlled so far as is reasonably practical.	None	2 x 3 = 6 Medium - Risk to be minimised and controlled so far as is reasonably practical.	n/a
Health and Safety	Distraction or involvement by others Activities of persons not involved in the lifting operation impacting the potential to cause an issue	Everyone	1) CRITICAL - Engineering: Barrier tape or other means to be used to safeguard the lift area if there is the possibility of interference. - Effective 2) CRITICAL - Administrative: In advance of the lift all persons likely to be in the work area to be informed of the work and instructed not to enter the designated lift area. - Effective	3 x 2 = 6 Medium - Risk to be minimised and controlled so far as is reasonably practical.	None	3 x 2 = 6 Medium - Risk to be minimised and controlled so far as is reasonably practical.	n/a

COSHH Assessments

There are no COSHH assessments associated with this risk assessment.

Reference Documents

- Previous crane lift risk assessment - Original Word based document used as the basis for this 'new' risk assessment.
- Generic Crane Lift Methiod Statement -
- Example Lift Plan -

Ends