



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

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Assessment Approver: Kevin Jarvis

Department: Global

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Crane and Hi-ab lifts of various items

Type	Hazard Cause	Persons Affected	Control Measures	L Overall	S T	Additional Control Measures	L Overall	S T	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.	6	None	2 x 3 = 6 Medium - Risk to be minimised and controlled so far as is reasonably practical.	6	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.	10	None	2 x 5 = 10 Medium - Risk to be minimised and controlled so far as is reasonably practical.	10	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.	6	None	2 x 3 = 6 Medium - Risk to be minimised and controlled so far as is reasonably practical.	6	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	None	2 x	3 =	6	n/a
				Medium - Risk to be minimised and controlled so far as is reasonably practical.				Medium - Risk to be minimised and controlled so far as is reasonably practical.			
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	None	3 x	2 =	6	n/a
				Medium - Risk to be minimised and controlled so far as is reasonably practical.				Medium - Risk to be minimised and controlled so far as is reasonably practical.			

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 Method Statement -
- Example Lift Plan -

Ends