Risk Assessment - Use of loco Lifting Jacks

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Using loco jacks to lift locos and tenders.

Type	Hazard Cause	Persons Affected	Control Measures	L S T Overall	Additional Control Measures	L S T Overall	Owner/Action
Health and Safety	Personal injury or damage to equipment. Collapse or malfunction of equipment. Crush, entanglement, slips trips or falls.	Volunteers & Staff	1) CRITICAL - Engineering: No shunting or other movements should be allowed in the area when the lift is being carried out. - Effective 2) CRITICAL - Engineering: Ensure that lighting is sufficient for a clear view of the activity. - Effective 3) CRITICAL - Engineering: All items to be lifted must be weighed or have their weight calculated before the lift commences to ensure that it is within the capacity of the jacks. - Effective 4) CRITICAL - Engineering: When manually moving the jacks into position, at least two people should move each item. - Effective 5) CRITICAL - Engineering: The operation of the Emergency Stop buttons should be tested before the lift commences. - Effective 6) CRITICAL - Engineering: Before the lift commences ensure that all disconnections have been made and the lift is free to move. - Effective 7) CRITICAL - Engineering: Be aware of the possibility of components catching or snagging and stop the lift if this is likely to occur. - Effective 8) CRITICAL - Engineering: The work area should be completely cleared of any slip or trip hazards before the lift starts. - Effective 9) CRITICAL - Engineering: Take care that the jack cables do not present a trip hazard. - Effective 10) CRITICAL - Administrative: All staff involved must be trained, competent. - Effective 11) CRITICAL - Administrative: The leader of the lift activity must be competent in this activity. - Effective 12) CRITICAL - Administrative: Those not involved in this activity should be kept well away from the area. - Effective 13) CRITICAL - Administrative: Lone Working is not allowed. - Effective 14) CRITICAL - Administrative: One person should be located at each jack to monitor the lift process and call 'Stop' or press the Emergency Stop button if any issues arise. - Effective 15) CRITICAL - Administrative: Lifts with this equipment should always be carried out inside so as to be unaffected by weather. - Effective 16) CRITICAL - Administrative: Maintain good and clear communication between all staff involved. - Effective 17) CRITICAL - Administrative: Be aware of pinch points and keep all limbs and body parts out of these areas. - Effective 18) CRITICAL - Administrative: A safety briefing must be held with all those involved before the activity starts. - Effective 19) CRITICAL - Administrative: Staff must not be allowed on the item being lifted when it is in motion. - Effective 20) CRITICAL - Administrative: Shed tours are not allowed when lifting operations are in progress. - Effective 21) CRITICAL - PPE: Safety footwear, overalls and gloves must be worn. - Effective	2 x 5 = 10 Medium - Risk to be minimised and controlled so far as is reasonably practical.	1) Administrative: Consider use of barriers and/or tape to keep others out of the work area. - Effective 2) Administrative: Consider carrying out this task on a day when there is only a small number of other staff on site. - Effective 3) PPE: Consider wearing head protection. - Effective	2 x 5 = 10 Medium - Risk to be minimised and controlled so far as is reasonably practical.	n/a

Score and Control Measure Notes.
Risk is medium due to the potential consequence of a lift failure.
Risk remains medium.

COSHH Assessments

There are no COSHH assessments associated with this risk assessment.

Ends