Risk Assessment - Maintenance of steam locomotive motions

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Maintenance of locomotive motions

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 Crush, entanglement, slips, trips & falls, burns and strains	Volunteers & Staff	1) Elimination: Staff must check that handbrake applied if not being worked on. Scotches must be used at all times - Effective 2) Elimination: Use heads torches and or task lighting 110v - Effective 3) CRITICAL - Engineering: The loco must be braked, scotched or otherwise secured. - Effective 4) CRITICAL - Engineering: A 'Not To Be Moved' board must be fitted to the loco. - Effective 5) CRITICAL - Engineering: Use lifting aids wherever practicable. - Effective 6) CRITICAL - Engineering: Any ladders, steps or other working at height equipment should be inspected, certified and 'in-ticket'. - Effective 7) CRITICAL - Administrative: Those undertaking the task must be experienced and competent. - Effective 8) CRITICAL - Administrative: If the loco needs to be moved to align components at any time, then staff who are working on or close to the motion must stand clear and not expose themselves to a pinch or entanglement injury.. - Effective 9) CRITICAL - Administrative: No shunting or other movements are allowed anywhere in the vicinity of the work activity. - Effective 10) CRITICAL - Administrative: Staff should adopt a good posture when working on the motion. - Effective 11) CRITICAL - Administrative: Be aware of own physical limitations and the weight of components - Effective 12) CRITICAL - Administrative: All staff involved must have completed the GWSR 'Working at Height' training. - Effective 13) CRITICAL - Administrative: Be aware of the potential for hot components on locos that are or have recently been in steam. - Effective 14) CRITICAL - Administrative: Be aware of contamination by oils and greases. - Effective 15) CRITICAL - Administrative: Clean and tidy the work area before the task begins so as to remove slip and trip hazards. - Effective 16) CRITICAL - Administrative: Take extra caution when the loco is parked over a pit, so as not to fall from height. - Effective 17) CRITICAL - Administrative: Prior to adjusting the position of the reverser gear from the footplate, ensure that no persons are present under the locomotive or adjacent to parts of the motion that will move. - Effective 18) CRITICAL - PPE: Safety footwear, overalls and gloves must be worn. - Effective	2 x 4 = 8 Medium - Risk to be minimised and controlled so far as is reasonably practical.	1) PPE: Consider wearing a bump hat to avoid injury. - Effective	2 x 4 = 8 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 potential for a crush, entanglement or fall injury.
Risk remains medium.

COSHH Assessments

There are no COSHH assessments associated with this risk assessment.
Ends