Risk Assessment - Using a Man Cage with a forklift truck or telehandler

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The GWSR owns a man cage that is occasionally used for working at height. This RA assesses the risks of that activity and outlines the required control actions.
Tasks requiring a man cage should only be used for access if it is not practical to use an integrated platform and if it provides a safer means of access than improvised stairs, platforms or ladders that would otherwise be used.

Department: Global
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Use of a Man Cage with an FLT or telehandler

Type	Hazard Cause	Persons Affected	Control Measures	L S T Overall	Additional Control Measures	L S T Overall	Owner/Action
Health and Safety	Falls from height Exit from the cage	Volunteers & Staff	1) CRITICAL - Engineering: Lanyards must be of short length so as not to allow operator to climb out of the cage and to prevent a fall. - Effective 2) CRITICAL - Administrative: All lanyards and harnesses must be inspected and 'in ticket'. - Effective 3) CRITICAL - Administrative: All users to be trained in working at height. - Effective 4) CRITICAL - PPE: A full body harness and lanyard attached to a suitable anchor point must be worn by those in the cage. - Effective	1 x 5 = 5 Low - Risk to be monitored to ensure it remains adequately controlled to an acceptable level.	1) Administrative: Avoid any work at height if it is not absolutely necessary. - Effective	1 x 1 = 1 Low - Risk to be monitored to ensure it remains adequately controlled to an acceptable level.	n/a
Health and Safety	Falls of materials Loose or not secured items	Volunteers & Staff	1) CRITICAL - Engineering: Cage to be fitted with suitable containment or toe boards. - Effective 2) CRITICAL - Administrative: Materials not to be allowed to accumulate on the platform. - Effective	2 x 3 = 6 Medium - Risk to be minimised and controlled so far as is reasonably practical.	1) Engineering: Tools and materials to be secured if possible. - Effective	1 x 3 = 3 Low - Risk to be monitored to ensure it remains adequately controlled to an acceptable level.	n/a
Health and Safety	Mechanical Failure Equipment defects	Volunteers & Staff	1) CRITICAL - Engineering: All guards and fencing to be fitted and in place. - Effective 2) CRITICAL - Administrative: Cage to be subject to a 6 month frequency inspection, be 'in ticket' and in good condition. - Effective 3) CRITICAL - Administrative: Any hired equipment to come with suitable certification. - Effective 4) CRITICAL - Administrative: Equipment to be visually inspected before use. - Effective	1 x 5 = 5 Low - Risk to be monitored to ensure it remains adequately controlled to an acceptable level.	None	n n n	n/a
Health and Safety	Overloading Exceeding safe working limits	Volunteers & Staff	1) CRITICAL - Administrative: The cage should be suitable for the task being undertaken. - Effective 2) CRITICAL - Administrative: The Safe Working Load should be marked and not exceeded. - Effective 3) CRITICAL - Administrative: Consider all loads including the user(s), tools and materials. - Effective	1 x 5 = 5 Low - Risk to be monitored to ensure it remains adequately controlled to an acceptable level.	None	n n n	n/a

Gloucestershire Warwickshire Steam Railway Plc
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Health and Safety	Overturning Improper use or over loading	Volunteers & Staff	1) CRITICAL - Administrative: Ensure that the ground where the task is to take place is firm, level and capable of supporting the load whilst also being clear of obstructions. - Effective 2) CRITICAL - Administrative: Do not travel over or the use the machine on ground that is soft or uneven or and also not on manholes or similar. - Effective	1 x 5 = 5 Low - Risk to be monitored to ensure it remains adequately controlled to an acceptable level.	1) Engineering: If stabilisers are fitted they should be deployed when the cage is being used. - Effective	1 x 5 = 5 Low - Risk to be monitored to ensure it remains adequately controlled to an acceptable level.	n/a
Health and Safety	Overhead power lines Contact with electrical lines	Volunteers & Staff	1) CRITICAL - Engineering: If cables are present they must be isolated, tested and fenced off. - Effective 2) CRITICAL - Administrative: Checks to be made in advance for any overhead power lines or other electrical hazards. - Effective 3) CRITICAL - Administrative: If High Voltage electrical lines are in the vicinity of the work area the local electric supply company must first be contacted to establish the voltage and minimum working distance separation. - Effective	1 x 5 = 5 Low - Risk to be monitored to ensure it remains adequately controlled to an acceptable level.	None	n n n	n/a
Health and Safety	Other vehiciles Contact or collision	Everyone	1) CRITICAL - Engineering: Work area to be cordoned off to prevent other vehicles entering the area. - Effective 2) CRITICAL - Administrative: Asses the work area to see if traffic diversions are required. - Effective 3) CRITICAL - Administrative: Erect signage to warn other vehicles of the work area. - Effective	2 x 3 = 6 Medium - Risk to be minimised and controlled so far as is reasonably practical.	None	2 x 2 = 4 Low - Risk to be monitored to ensure it remains adequately controlled to an acceptable level.	n/a
Health and Safety	Pedestrians Contact or collision	Public	1) CRITICAL - Engineering: Work area to be cordoned off to prevent pedestrians entering the area. - Effective 2) CRITICAL - Engineering: Work area to be assessed to see if walking routes need to be diverted. - Effective 3) CRITICAL - Administrative: Work not to block doorways or access points without diversions being in place. - Effective 4) CRITICAL - Administrative: Suitable warning signage to be in place. - Effective	2 x 3 = 6 Medium - Risk to be minimised and controlled so far as is reasonably practical.	None	n n n	n/a

Type	Hazard Cause	Persons Affected	Control Measures	L S T Overall	Additional Control Measures	L S T Overall	Owner/Action
Health and Safety	Incorrect use Lack or training, competence or supervision	Everyone	1) CRITICAL - Engineering: Guards and fencing should always be fitted, in place and in use. - Effective 2) CRITICAL - Engineering: Tilt mechanism on the vehicle must be disabled. - Effective 3) CRITICAL - Engineering: Cage must be suitably secured to the vehicle. - Effective 4) CRITICAL - Administrative: Machine only to be used on suitable surfaces. - Effective 5) CRITICAL - Administrative: Operators to be in possession of suitable information to use the equipment properly. - Effective 6) CRITICAL - Administrative: Only trained, competent and authorised people are to operate equipment. - Effective 7) CRITICAL - Administrative: Operators to be aware of any maintenance or defect information. - Effective 8) CRITICAL - Administrative: Operators must be over the age of 18. - Effective 9) CRITICAL - Administrative: Cage to be lifted with suitably certified and appropriate chains and slings or via permanent suitable apertures at the bottom of the cage.. - Effective 10) CRITICAL - Administrative: Operators must not use anything within the cage to stand on to gain extra height. - Effective 11) CRITICAL - Administrative: Nobody is to be allowed to enter the area under the lifted cage. - Effective 12) CRITICAL - PPE: All operators must wear suitable and certified fall arrest equipment and remain within the cage at all times. - Effective	1 x 5 = 5 Low - Risk to be monitored to ensure it remains adequately controlled to an acceptable level.	None	1 x 5 = 5 Low - Risk to be monitored to ensure it remains adequately controlled to an acceptable level.	n/a
Health and Safety	Unauthorised use Use by persons unknown	Everyone	1) CRITICAL - Engineering: Barriers, warning tape and signs will be used to identify the work area and exclude members of the public. - Effective 2) CRITICAL - Administrative: The work site must be secure to prevent unauthorised access. - Effective 3) CRITICAL - Administrative: Keys not to be left in the ignition or with the vehicle when it is unattended. - Effective 4) CRITICAL - Administrative: If the vehicle is left at the work site overnight it must be immobilised and the keys removed. - Effective	1 x 5 = 5 Low - Risk to be monitored to ensure it remains adequately controlled to an acceptable level.	None	n n n	n/a

COSHH Assessments

There are no COSHH assessments associated with this risk assessment.

Reference Documents

• HSE Working Platforms Guidance PM28 -

Ends