Risk Assessment - Exchanging and Adjustment of BR1 Bogie Leaf Springs

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Team:

Removal and Refitting of BR1 Leaf Springs

Type	Hazard Cause	Persons Affected	Control Measures	L S T Overall	Additional Control Measures	L S T Overall	Owner/Action
Health and Safety	Entrapment of Fingers/Hand Leaf springs have to be compressed using hydraulic C clamp to enable removal or refitting	Volunteers & Staff	1) CRITICAL - Administrative: Only trained and competent staff to undertake task - Effective 2) CRITICAL - Administrative: Care to be taken to keep hands and other body parts clear of any pinch points. - Effective 3) CRITICAL - PPE: Overalls, safety footwear and gloves to be worn. - Effective	1 x 3 = 3 Low - Risk to be monitored to ensure it remains adequately controlled to an acceptable level.	None	1 x 3 = 3 Low - Risk to be monitored to ensure it remains adequately controlled to an acceptable level.	n/a
Health and Safety	Injury due to incorrect manual handling of C Clamp Hydraulic C clamp is heavy (approx. 18kg) and need to be manually placed on the bogie frame	Volunteers & Staff	1) CRITICAL - Administrative: Two person activity using correct manual handling techniques - Effective 2) CRITICAL - PPE: Overalls, safety footwear and gloves to be worn. - Effective	1 x 2 = 2 Low - Risk to be monitored to ensure it remains adequately controlled to an acceptable level.	None	1 x 2 = 2 Low - Risk to be monitored to ensure it remains adequately controlled to an acceptable level.	n/a
Health and Safety	Injury due to incorrect manual handling of leaf spring Leaf springs need to be manually lifted and manouvered around the workshop and removed from/positioned into place on the bogie frame	Volunteers & Staff	1) CRITICAL - Engineering: Use flat bed trolley to transport springs between store and work area - Effective 2) CRITICAL - Administrative: Two person lift using correct Manual Handling procedure - Effective 3) CRITICAL - PPE: Overalls, safety footwear and gloves to be worn. - 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	Crush injury to feet/hands Leaf spring is dropped/topples during transportation or lifting	Volunteers & Staff	1) CRITICAL - PPE: Overalls, safety footwear and gloves to be worn. - 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

Adjustment of BR1 Bogie Leaf Springs

Type	Hazard Cause	Persons Affected	Control Measures	L S T Overall	Additional Control Measures	L S T Overall	Owner/Action
Health and Safety	Entrapment or crush injury to hand/finger Leaf springs have to be compressed using hydraulic C clamp to enable adjustment	Volunteers & Staff		1 x 3 = 3 Low - Risk to be monitored to ensure it remains adequately controlled to an acceptable level.	None	n n n	n/a
Health and Safety	Injury due to incorrect manual handling of C Clamp Hydraulic C clamp is heavy (approx.18kg) and needs to manually lifted and positioned in place	Volunteers & Staff	1) Elimination: Two person activity using correct manual handling techniques - Effective	2 x 2 = 4 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.

Ends