# Risk Assessment - Diesel Dept - Use of loco Lifting Jacks

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Department: Diesel Loco
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## Using loco jacks to lift diesel locos.

| Type | Hazard<br>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.<br>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<br>2) CRITICAL - Engineering: Ensure that lighting is sufficient for a clear view of the activity. - Effective<br>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<br>4) CRITICAL - Engineering: When manually moving the jacks into position, two people should move each item. - Effective<br>5) CRITICAL - Engineering: The operation of the Emergency Stop buttons should be tested before the lift commences. - Effective<br>6) CRITICAL - Engineering: Before the lift commences ensure that all disconnections have been made and the lift is free to move. - Effective<br>7) CRITICAL - Engineering: Be aware of the possibility of components catching or snagging and stop the lift if this is likely to occur. - Effective<br>8) CRITICAL - Engineering: The work area should be completely cleared of any slip or strip hazards before the lift starts. - Effective<br>9) CRITICAL - Engineering: Take care that the jack cables do not present a trip hazard. - Effective<br>10) CRITICAL - Administrative: All staff involved must be trained and competent. - Effective<br>11) CRITICAL - Administrative: The leader of the lift activity must be competent in this activity. They must review the Method Statement before the lift commences and carry out a safety briefing with all those involved in the task. - Effective<br>12) CRITICAL - Administrative: Those not involved in this activity should be kept well away from the area. - Effective<br>13) CRITICAL - Administrative: Lone Working is not allowed. - Effective<br>14) CRITICAL - Administrative: One person should be located at each jack to monitor the lift process and to call 'Stop' or press the Emergency Stop Button if any issues arise. - Effective<br>15) CRITICAL - Administrative: Lifts with this equipment should always be carried out inside so as to be unaffected by weather. - Effective<br>16) CRITICAL - Administrative: Maintain good and clear communication between all staff involved. - Effective<br>17) CRITICAL - Administrative: Be aware of pinch points and keep all limbs and body parts out of these areas. - Effective<br>18) CRITICAL - Administrative: Staff must not be allowed on the item being lifted when it is in motion. - Effective<br>19) CRITICAL - Administrative: Shed tours are not allowed when lifting operations are in progress. - Effective<br>20) CRITICAL - Administrative: Whilst the lift takes place any other noisy activity in the area must be suspended so that clear communications can be made, heard and understood. - Effective<br>21) CRITICAL - PPE: Safety footwear, overalls and gloves must be worn. - Effective | 2 x 5 = 10<br>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<br>2) Administrative: Consider carrying out this task on a day when there is only a small number of other staff on site. - Effective<br>3) PPE: Consider wearing head protection. - Effective | 2 x 5 = 10<br>Medium - Risk to be minimised and controlled so far as is reasonably practical. | n/a |

| Type | Hazard<br>Cause | Persons<br>Affected | Control Measures | L S T<br>Overall | Additional Control Measures | L S T<br>Overall | Owner/Action |
|---|---|---|---|---|---|---|---|

**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