

Mechanical Forces.

No	Activity	Hazard	Person(s) in Danger	Control Measures	Residual Risk Rating
42	Activities involving Mechanical equipment that has the potential to store energy.	Stored energy - Uncontrolled movement of parts caused by the release of stored energy from other systems/springs/gravitational forces.	Employees Contractors Public Visitors	<ul style="list-style-type: none"> Before carrying out any work on mechanical systems, operatives must be trained to understand the forces at work, sources of energy and means to prevent unplanned releases of energy. Steps should be taken to manage any risks arising from maintenance activity following Manufacturer's instructions. Stored energy in the form of springs must be discharged where practicable or guarded against accidental release during work. Stored energy in the form of springs should be discharged where practicable, otherwise screened or guarded against accidental release during work. Before dismantling any component, a Risk Assessment must be carried out. If this impacts related systems, actions must be taken to ensure there is no impact on safety. Maintenance on high-risk equipment will require a Permit to Work. In some circumstances with high-risk or complex equipment, the demands may require manufacturer or specialist contractors. Where mechanical components interlocks, they must be secured to prevent accidents or uncontrolled events, then locked off and tagged/secured with caution men working notices to prevent accidental release. Appropriate Personal Protective Equipment must be worn taking into account disturbance of dust, debris and potential noise from spring releases or other components. 	Low