



## VUL-FRM-10-31-Mobile Crane Inspection

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|----------------------------|--|
| <b>Call Sign:</b>          |  |
| <b>Make:</b>               |  |
| <b>Model:</b>              |  |
| <b>Serial Number:</b>      |  |
| <b>Equipment Owner:</b>    |  |
| <b>Inspector:</b>          |  |
| <b>Date of Inspection:</b> |  |



## Compliance Audit

| Question                                                                                                                                                                                                                                                                                                     | Pass                     | Fail                     | N/A                      | Details (if Fail, N/A or Required) |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|--------------------------|--------------------------|------------------------------------|
| Air Conditioning System                                                                                                                                                                                                                                                                                      | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                                    |
| Equipment with enclosed cabins must have air conditioning systems that are operational and effective.                                                                                                                                                                                                        |                          |                          |                          |                                    |
| Blind Spots Removed                                                                                                                                                                                                                                                                                          | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                                    |
| Ensure driver has clear field of vision and no obstruction from ancillary equipment (stickers on windows/radios/GPS)<br>If fitted with visual aids (side mirrors, reverse cameras), must be operational and effective.                                                                                       |                          |                          |                          |                                    |
| Cabin Dust Seals                                                                                                                                                                                                                                                                                             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                                    |
| Check door and window seals are in place and also for cracking and misalignment / tears / gaps.                                                                                                                                                                                                              |                          |                          |                          |                                    |
| Controls and Interlock Safety Devices                                                                                                                                                                                                                                                                        | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                                    |
| Where applicable, functionally test all controls and interlocks.                                                                                                                                                                                                                                             |                          |                          |                          |                                    |
| Height of Equipment                                                                                                                                                                                                                                                                                          | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                                    |
| Label inside operators' cabin/transportable building to indicate the maximum height of the equipment (both travel height and maximum working height if applicable).<br>Inspector must validate the height of the vehicle/equipment/transportable building to confirm the measurement indicated on the label. |                          |                          |                          |                                    |
| Instrumentation, metering and gauges                                                                                                                                                                                                                                                                         | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                                    |
| Instrumentation, metering and gauges are clearly visible, adequate and operational.                                                                                                                                                                                                                          |                          |                          |                          |                                    |
| Lights, indicators and lighting                                                                                                                                                                                                                                                                              | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                                    |
| Internal cab lighting must be effective for safe operation including emergency stops, access and controls.<br>External lights (headlights, tail lights and indicators) must be clearly visible, adequate and operational.<br>Lenses must be clean and capable to perform their intended function.            |                          |                          |                          |                                    |
| Operating manual                                                                                                                                                                                                                                                                                             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                                    |
| A copy of the equipment operating manual is available, this could be in the equipment or in the site office.                                                                                                                                                                                                 |                          |                          |                          |                                    |
| Steering                                                                                                                                                                                                                                                                                                     | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                                    |
| Check for excessive play or abnormal feel/noise. If fitted, check ancillary steering is functional.                                                                                                                                                                                                          |                          |                          |                          |                                    |



| Question                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Pass                     | Fail                     | N/A                      | Details (if Fail, N/A or Required) |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|--------------------------|--------------------------|------------------------------------|
| Two-Way Radio                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                                    |
| <p>As a minimum, all vehicles and mobile equipment must have a site compliant, programmable and operational two-way radio, fitted to the equipment.</p> <p>It is the responsibility of the equipment owner to ensure the radio installed is approved for use on the operating site.</p>                                                                                                                                                                                                                                |                          |                          |                          |                                    |
| Warning Device                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                                    |
| <p>Mobile equipment must be fitted with manually operated audible warning device e.g. horn. Equipment fitted with air-horns must also be fitted with a secondary horn (electric).</p> <p>An automatically operating reversing alarm must be fitted and operational.</p>                                                                                                                                                                                                                                                |                          |                          |                          |                                    |
| Cabins                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                                    |
| <p>Cabin controlled cranes must include air conditioning and falling object protection.</p> <p>A fall prevention system, such as seat belts and cabin doors, must be provided to prevent the operator falling from the cabin during crane operations.</p>                                                                                                                                                                                                                                                              |                          |                          |                          |                                    |
| Park Brake Alarm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                                    |
| <p>Check function of audible and/or visual 'Park Brake Not Activated' alarm. This alarm is to be interlocked with the door or operator seat/seatbelt.</p>                                                                                                                                                                                                                                                                                                                                                              |                          |                          |                          |                                    |
| Seatbelts and Seating                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                                    |
| <p>Main Cabin: Provide occupants with a three-point (or greater) inertia reel seat belt or two-point inertia reel seat belt where this is not practical and check that it is operational and free from damage.</p> <p>Crane/Slew Cabin: If fitted, ensure seat belts are operational and free from damage.</p>                                                                                                                                                                                                         |                          |                          |                          |                                    |
| Battery System                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                                    |
| <p>Battery boxes where fitted must be ventilated, drained and of robust construction; terminals clean and bracket secure; leads properly secured and not showing signs of heat or abrasion; (+) terminal insulated (one battery fitted), or all terminals insulated (battery bank).</p> <p>The location of batteries must be clear of all ignition sources.</p> <p>Surface mobile equipment must have Valve Regulated Lead Acid (VRLA) batteries (also called 'sealed' or 'maintenance free' batteries) installed.</p> |                          |                          |                          |                                    |
| Brackets, Pins and Hinge Points                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                                    |
| <p>Carry out a functional inspection to identify loose brackets, pins and hinge points and locking mechanisms; e.g., dozer belly guards, bonnets, doors and tilt cabins.</p> <p>Check that pin retainers are in place and that the pins are not slipping out. Check that all mounting bolts are secure by visual inspection.</p>                                                                                                                                                                                       |                          |                          |                          |                                    |
| Diesel Fuel Only                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                                    |
| <p>Petrol powered equipment is restricted on site.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                          |                          |                          |                                    |



| Question                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Pass                     | Fail                     | N/A                      | Details (if Fail, N/A or Required) |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|--------------------------|--------------------------|------------------------------------|
| Emergency Stops                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                                    |
| <p>Emergency stop devices must be clearly marked "EMERGENCY STOP".</p> <p>Emergency stops must have the following features: red button / switch, deliberate on/off activation, manual de-activation. Reactivation will not restart the plant.</p> <p>Emergency stops are to be tested and verified as operational. Operational test is to be carried out for all emergency stops.</p> <p>As a minimum, emergency stops are to be fitted so there is one in the cab for the operator, within the zone of reach and located so as to minimise the risk of inadvertent operation and one accessible at ground level where the cab is accessed by stairs or ladder.</p> <p>Emergency stops must not be located in front of out blowing fans or air flows.</p> <p>Emergency stops must not be wired to cut out communications (site two-way radios) upon activation.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                          |                          |                          |                                    |
| Equipment Modifications                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                                    |
| <p>Compliance plate must be provided for all modified equipment. Registered Professional Engineer Queensland (RPEQ) certificates must be provided for structural modifications.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                          |                          |                          |                                    |
| Isolation and Lockout                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                                    |
| <p>A suitable lockout system is to be provided to enable physical isolation of the unit as per AS 4871.6. The isolation devices must be capable of being padlocked and clasped in the OFF position. ON and OFF positions should be clearly identified.</p> <p>In circuits at Extra Low Voltage (ELV – below 50Vac or 120Vdc) potential, isolation may be achieved by switching the positive / negative conductor only. All circuits above ELV must achieve positive isolation by switching all active and neutral conductors.</p> <p>Battery isolators are to be red in colour and disconnect power to all electrical loads. If fitted, Starter Motor Isolators must be yellow in colour.</p> <p>Systems such as fire protection, communication (site two-way radios), GPS, or tyre monitoring systems are permitted to not be controlled by the battery isolation switch, provided they have separate isolator switches for their circuit(s)."</p> <p>The isolation and lockout systems are to be tested and verified as safe and functional. Isolation process must include isolation of the jump-start receptacle.</p> <p>Check that all exposed terminals are protected from arcing.</p> <p>Isolation switches are not to be positioned in a potential crush zone (e.g. between position 1 or 2 wheels and chassis, or in articulation points).</p> |                          |                          |                          |                                    |

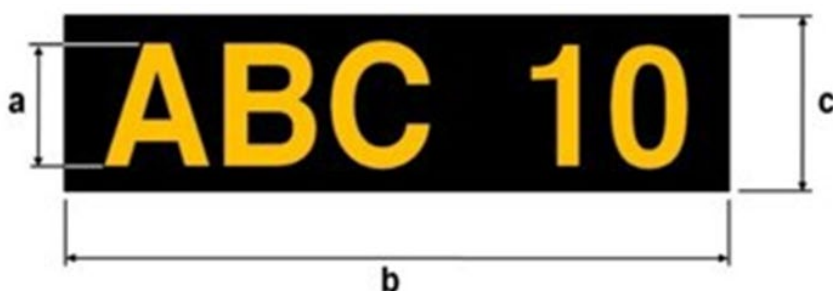


| Question                  | Pass                     | Fail                     | N/A                      | Details (if Fail, N/A or Required) |
|---------------------------|--------------------------|--------------------------|--------------------------|------------------------------------|
| High Visibility Call Sign | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                                    |

Identification must be clearly visible at all times. Identification numbers must be located on both sides and rear of the vehicle/equipment and must meet the following requirements:

- Reflective yellow or green coloured letters and numbers on a black background, as close as practicable to the format detailed below.
- A type face of Helvetica Narrow, Bold with standard spacing (no compression).

| Use                                        | a (letters) | b (width) | c (height) |
|--------------------------------------------|-------------|-----------|------------|
| Light vehicles<br>Buses<br>Medium Vehicles | 200mm       | -         | 260mm      |
| Mobile equipment less than 120T            | 290mm       | -         | 370mm      |
| Mobile equipment 120T or greater           | 400mm       | -         | 500mm      |



- Space between letters and numbers must be an 'em' space (relates to typography).
- All mobile equipment must be identifiable from 360 degrees in accordance with the table above.

Where it is impractical for rear facing call signs to meet the size requirements above, the largest allowable size shall be selected such that it is still readable from a 50m distance. When fitted on road registrable vehicles they must be made from non-reflective material.

Auxiliary equipment not requiring positive radio contact (complete list provided in Definitions section) only require plant identification numbers, and are not required to meet the sign size requirements listed in the above table.



| Question                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Pass                     | Fail                     | N/A                      | Details (if Fail, N/A or Required) |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|--------------------------|--------------------------|------------------------------------|
| Jump Start Receptacle                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                                    |
| <p>Mobile equipment (and where fitted on medium vehicles) must have a jump start receptacle that can be an Anderson or CAT style plugs. These must not bypass the battery or starter motor isolator.</p> <p>Standard configuration is:</p> <ul style="list-style-type: none"> <li>• 12V must utilise a 175 A plug</li> <li>• 24V must utilise a minimum of a 350 A plug</li> <li>• These will be clearly labelled</li> </ul> <p>This requirement is not applicable for electric drive equipment.</p>                                                                                                                                                                                                                                                                 |                          |                          |                          |                                    |
| Reflective Yellow Tape                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                                    |
| <p>The vehicle must have reflective yellow tape on both sides, minimum of 50mm width. Reflective tape must be positioned to indicate the overall length of machine.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                          |                          |                          |                                    |
| Structural Damage Inspection                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                                    |
| <p>Visual check for cracks, deformation or excessive rust.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                          |                          |                          |                                    |
| Towing System                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                                    |
| <p>Towing equipment must have the coupling (hitch) maximum towing capacity clearly indicated via a placard or label.</p> <p>Ensure that there are connection points for safety chains.</p> <p>Ensure draw bar is securely mounted and not cracked. Where any part of the coupling or drawbar is removable ensure the bolts, studs, nuts etc. fastening those parts must have a locking device such as U clip, split pin, spring washer or nylon nut.</p>                                                                                                                                                                                                                                                                                                             |                          |                          |                          |                                    |
| Windscreens, Windows, Mirrors and Wipers                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                                    |
| <p>Check that the windscreen does not have any significant cracks or damage. Check operation of wipers and water spray are effective.</p> <p>Windows must be fitted with OEM specification glass (minimum).</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                          |                          |                          |                                    |
| Access and Egress                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                                    |
| <p>For non-standard access systems, check for appropriate railing, step/grab handle combinations and boarding facilities to allow safe and efficient access and egress of the equipment.</p> <p>Check that the machine has two means of egress from the operator's cabin with at least one means of easy egress (normal access), and 1 means of emergency egress.</p> <p>Check that the bottom step of any access stairs/ladder does not exceed 600mm (target 400 mm) from ground level with equipment in normal stationary position. (stowed position)</p> <p>Check that all access steps leading edges are clearly highlighted and non-slip.</p> <p>Check that personnel are able to maintain three points of contact while ascending or descending equipment.</p> |                          |                          |                          |                                    |



| Question                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Pass                     | Fail                     | N/A                      | Details (if Fail, N/A or Required) |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|--------------------------|--------------------------|------------------------------------|
| <p>Check that all personnel are able to carry out normal duties without leaving a designated walkway, access platform or the ground, and where this is not practicable and leaves the potential for a person to fall more than 1.8 metres, a harness attachment point and lanyard system must be provided and indicated.</p> <p>Top rails must be not less than 850mm nor more than 1100mm above standing level of a platform or walkway, and the intermediate rails must be parallel to the top rail with a maximum distance of 550mm between.</p> <p>Platforms above 1.8 metres must have foot barriers (kick rail) installed on handrails, between 50mm and 100mm in height.</p>                                                                                                                                                                                                     |                          |                          |                          |                                    |
| Flashing Light                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                                    |
| Flashing light must be fitted, visible from all angles of approach (360°), and be able to be turned off. Must be an amber flashing light for normal operations.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                          |                          |                          |                                    |
| Signage                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                                    |
| <p>All machine controls and service points must be provided with clear signage to indicate function.</p> <p>Check that the equipment is fitted with clearly visible permanent markings, signs, compliance and identification plates on safety devices and systems including, but not limited to: ROPs; FOPs; pressure vessels; fire suppression systems; emergency exits; electrical cubicles/enclosure panels; accumulator reliefs, tow, confined space; crush points; rotating and hot parts; E-stops; pressure reliefs; spring under compression chambers; limits of operation in cab; hearing protection in noisy environments; unique Hi-Vis plant ID.</p> <p>All vehicles and trailers having inflated tyres must have a tyre supplier placard.</p> <p>Where a hazard could exist from misinterpretation of a symbol, the meaning of the symbol must be clarified in writing.</p> |                          |                          |                          |                                    |
| Steering Lock Bar for Articulated Plant                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                                    |
| Articulated plant requires a means to prevent movement of the articulated joint.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                          |                          |                          |                                    |
| Load Securing Devices                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                                    |
| Any equipment with open compartments capable of carrying a load must have restraint attachment points.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                          |                          |                          |                                    |
| Under Carriage (Tracked Cranes)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                                    |
| Check the track frames, tracks, rollers and idlers for any signs of significant cracks and wear damage. Check that all bolts and fixings are in good condition and fit for purpose.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                          |                          |                          |                                    |
| Tyres and Wheels                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                                    |
| <p>Tyre and wheel assemblies must be free of abnormal damage, deterioration or uneven wear. Check that rims and tyre are OEM approved for the equipment.</p> <p>Check that rims and tyres 600mm (24 inch) or larger have a unique identification system in place, visible on inspection. Equipment owners must provide evidence of current service hours and/or last rim inspection report, including the latest crack testing certificates.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                        |                          |                          |                          |                                    |



| Question                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Pass                     | Fail                     | N/A                      | Details (if Fail, N/A or Required) |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|--------------------------|--------------------------|------------------------------------|
| Crane Certification                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                                    |
| <p>All cranes require a 'Crane Safe' third party inspection certificate certified in accordance with AS2550 (series as applicable).</p> <p>The inspection station is to verify the crane inspection certificates are in date, match the equipment being inspected and state that the crane is safe and fit for purpose (crane safe sticker etc.).</p>                                                                                                                                                                                                                                                                                                    |                          |                          |                          |                                    |
| Fire Extinguishers                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                                    |
| <p>Must have a minimum 4.5 kg/hand-held, dry chemical powder.</p> <p>Fire extinguishers must be inspected and tested in accordance with AS 1851.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                          |                          |                          |                                    |
| Engine/Drive Motor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                                    |
| <p>Check engine/drive motor for no leaks. Check mounts, wiring, and piping are secure.</p> <p>Check that the exhaust system is secure, free from damage/leaks and is fit for purpose.</p> <p>Check that exposed rotating parts that are easily accessible (not behind a cover, under the machine, or under the bonnet in the case of Light Vehicles) have protection fitted to protect against inadvertent contact.</p>                                                                                                                                                                                                                                  |                          |                          |                          |                                    |
| Extra Low Voltage (ELV) <50Volts AC or <120 Volts DC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                                    |
| <p>Exposed copper wiring is prohibited. Single insulation at connection plugs is permitted up to 100mm provided that there is adequate support and protection against damage.</p> <p>Electrical connections must be rated a minimum of IP2X.</p> <p>Check that all exposed terminals are protected from arcing. Check that all operator interfaces are ELV.</p> <p>Check that all connections are terminated so that they cannot loosen or overheat under normal conditions of service.</p> <p>Check that disconnected cables have been removed or properly terminated.</p> <p>If equipment is above ELV an Electrical Inspection must be completed.</p> |                          |                          |                          |                                    |
| Glands / Bushing of Cables                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                                    |
| <p>Check where wiring is threaded through conduits, partition walls etc. They should be adequately glanded or bushed so that wiring and cabling does not come in contact with any surfaces that may degrade the sheathing or insulation of any wiring.</p> <p>All wiring should be positioned / secured such that the potential to rub onto vibrating or abrasive surfaces is minimised.</p>                                                                                                                                                                                                                                                             |                          |                          |                          |                                    |
| Radiator Pressure Relief System                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                                    |
| <p>The radiator must have a method for relieving pressure build-up prior to the removal of the radiator cap, such as a pressure relief cap, expansion tank, two stage caps or similar.</p> <p>All venting must be away from personnel.</p> <p>This requirement is not applicable for electric drive equipment.</p>                                                                                                                                                                                                                                                                                                                                       |                          |                          |                          |                                    |



| Question                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Pass                     | Fail                     | N/A                      | Details (if Fail, N/A or Required) |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|--------------------------|--------------------------|------------------------------------|
| Safety Guards                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                                    |
| <p>When the machine is in the stationary position and the engine is running the guarding of rotating components and hot surfaces must not allow any person to touch these parts from the ground or access-way or platform.</p> <p>All guards must require the use of a tool to remove and replace or be fitted with an interlock to stop motion. The tool can be an implement such as a key or wrench to operate a fastener, in accordance with AS/NZS 4024.1601.</p> <p>Where inspection or cleaning covers are provided and their removal exposes dangerous parts of the machine which are within reach, such covers must be clearly labelled "DANGER – Isolate drive before removing cover".</p>                                                                                                                                                                                                                                            |                          |                          |                          |                                    |
| Hot Surfaces, Exhaust Systems                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                                    |
| <p>Where personnel are exposed to hot surfaces (e.g. exhaust/turbo) while carrying out normal operations, heat shielding/lagging or barriers must also be fitted.</p> <p>Check that warning signs are fitted to access points, warning personnel of hot surfaces.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                          |                          |                          |                                    |
| Hydraulic Hoses, Cylinders and Fittings                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                                    |
| <p>Check degradation of hoses, all hoses are suitably supported and segregated to prevent rubbing, all pins and clips for visual signs of wear or damage, Jacking rams are fitted with steel supply pipe. Inspect all hydraulic hoses / fitting / cylinders / control valves for visible cuts, signs of wear or damaged outer casings.</p> <p>Check that suitable guarding has been installed for hydraulic hoses, located within 1.0 m of the operator control station(s). Steel guarding or burst sleeving is adequate where no other component or structure performs this function however glass is not sufficient for this purpose.</p> <p>For flexible hydraulic hoses in close proximity to hot engine components (turbo/exhaust) without suitable lagging, they must be fitted with thermal and/or burst protection. If burst sleeving has been installed, check that both ends of the hose are secured as per OEM recommendations.</p> |                          |                          |                          |                                    |
| Braking System Test Record                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                                    |
| <p>Brake testing of wheeled equipment must be completed to the requirement of the Site Equipment Standard Braking Systems Performance.</p> <p>A copy of the Brake Test Record Form as well as the test results (either inertia test and/or transducer test docket) must be included.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                          |                          |                          |                                    |
| Maintenance and Inspection Records                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                                    |
| <p>Equipment is to be routinely maintained and records kept to ensure that it remains "fit-for-purpose".</p> <p>Example copies of documentation must be provided as evidence that the equipment is part of an ongoing maintenance program and references the OEM maintenance recommendations, such as;</p> <ul style="list-style-type: none"> <li>• pre-start inspection sheet with defects identified;</li> <li>• completed service sheets with defects repaired; and</li> <li>• evidence of service history within the previous 12 months.</li> </ul> <p>Not applicable for brand new equipment or equipment that has been purchased without previous maintenance (a full equipment inspection must be completed prior to compliance) records undergoing an initial inspection.</p>                                                                                                                                                          |                          |                          |                          |                                    |



## Completion

| Score (0/1) 0%                                                                                                                         |                          |                          |         |
|----------------------------------------------------------------------------------------------------------------------------------------|--------------------------|--------------------------|---------|
| Question                                                                                                                               | Yes                      | No                       | Details |
| Have any of the listed requirements been marked as a "fail"?                                                                           | <input type="checkbox"/> | <input type="checkbox"/> |         |
| General recommendations/comments                                                                                                       |                          |                          |         |
| Paragraph of equipment                                                                                                                 |                          |                          |         |
| <p>Please provide photos of all 4 sides of the equipment, in addition to the photos taken for individual compliance item evidence.</p> |                          |                          |         |
| Name:                                                                                                                                  | Signature:               |                          | Date:   |