# Management of mobile equipment maintenance audit Site: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

# Date conducted:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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| 1 Register of equipment |
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| **Point** | **Standard** | **Standard met** | **Comments** |
| 1.1 | There is a register of mobile equipment, including permanent contractor’s equipment and a system to manage the condition and maintenance of itinerant mobile equipment on the mine site. |  |  |
| 1.2 | The register is current. |  |  |
| 1.3 | Each item of equipment is clearly identified with the appropriate register number, in lettering sufficiently large enough to be easily read from a distance. |  |  |

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| 2 Maintenance program |
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| **Point** | **Standard** | **Standard met** | **Comments** |
| 2.1 | A competent person is appointed to be in charge of the maintenance program. |  |  |
| 2.2 | There is an effective routine preventative maintenance program for mobile equipment which is carried out at predetermined intervals of time or distance. |  |  |
| 2.3 | The maintenance program is developed in accordance with the recommendations of the equipment manufacturer. |  |  |
| 2.4 | The maintenance program covers all the operating functions of the mobile equipment. |  |  |
| 2.5 | The maintenance program covers all ancillary systems and components fitted to the mobile equipment. |  |  |
| 2.6 | The maintenance program is updated when new equipment is placed into operation. |  |  |
| 2.7 | Replacement parts and components are selected in accordance with the mobile equipment manufacturer’s specifications. |  |  |
| 2.8 | The defect reporting procedure provides information and accountability for the rectification of faults found on mobile equipment. |  |  |
| 2.9 | Mobile equipment defect reports are attended to in a timely manner. |  |  |
| 2.10 | Results of mobile equipment inspections are monitored to identify common defects or patterns of defects with a view of preventing recurrences. |  |  |

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| 3 Maintenance of key systems and components |
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| **Point** | **Standard** | **Standard met** | **Comments** |
| 3.1 | ROPS/FOPS and their mountings are inspected and where damage is identified the mobile equipment is removed from service. |  |  |
| 3.2 | Where a ROPS/FOPS repair is required it is carried out in accordance with the manufacturer’s specifications. |  |  |
| 3.3 | Mobile equipment brake components are inspected, repaired or replaced in accordance with the manufacturer’s recommendations. |  |  |
| 3.4 | Any braking system installed on a trailer is maintained in an operational condition. |  |  |
| 3.5 | Mobile equipment steering components are inspected, maintained, repaired or replaced in accordance with the manufacturer’s recommendations. |  |  |
| 3.6 | Emergency braking and steering systems, where fitted, are inspected and the results of these inspections are recorded. |  |  |
| 3.7 | Mobile equipment lighting is inspected and repaired or replaced when found to be defective. |  |  |
| 3.8 | Mobile equipment audible and visual warning devices are inspected and repaired or replaced when found to be defective. |  |  |
| 3.9 | Where safety cameras or other safety warning sensor devices are installed on equipment regular testing is carried out. |  |  |
| 3.10 | Mobile equipment seats are inspected and repaired or replaced when found to be defective. |  |  |
| 3.11 | Mobile equipment seat belts are inspected and repaired or replaced when found to be defective. |  |  |
| 3.12 | Mobile equipment wheels and rims are regularly inspected and maintained or replaced as required. |  |  |
| 3.13 | Mobile equipment tyres are regularly inspected and maintained or replaced as required. |  |  |
| 3.14 | Wheel/hub/rim/tyre assembly components are regularly inspected and maintained or replaced as required. |  |  |
| 3.15 | There is a system, which includes a written SOP, in place to manage the maintenance of mobile equipment that carries explosives. |  |  |
| 3.16 | Earthing systems on explosives vehicles are inspected regularly. |  |  |

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| 4 Maintenance of ancillary systems and components |
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| **Point** | **Standard** | **Standard met** | **Comments** |
| 4.1 | Mobile equipment windscreens and other glass panels are regularly inspected and maintained or replaced as required. |  |  |
| 4.2 | Access to cabin and service point locations are regularly inspected and maintained in a safe condition. |  |  |
| 4.3 | Fire extinguishing appliances and systems are regularly inspected and maintained or replaced as required. |  |  |
| 4.4 | The two-way communication system is regularly inspected and maintained or replaced as required. |  |  |
| 4.5 | Outriggers, where fitted, are inspected and maintained. |  |  |
| 4.6 | Warning and instruction decals are inspected and maintained or replaced as required. |  |  |
| 4.7 | Vehicle identification markings are inspected and maintained in a clean condition. |  |  |
| 4.8 | Mobile equipment operator cabins are adequately maintained. |  |  |
| 4.9 | Where mobile equipment is equipped with gas cylinders or pressure equipment these items are inspected and maintained. |  |  |

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| 5 Maintenance facilities |
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| **Point** | **Standard** | **Standard met** | **Comments** |
| 5.1 | There is a suitable facility available for the maintenance of mobile equipment. |  |  |
| 5.2 | Emergency exits are provided. delineated and maintained free from obstruction at large maintenance facilities |  |  |
| 5.3 | Maintenance equipment is selected for compatibility with the equipment being serviced. |  |  |
| 5.4 | Maintenance equipment is itself maintained. |  |  |
| 5.5 | There is an area suitable for the jacking and support of mobile equipment. |  |  |
| 5.6 | There is an area available for washing down mobile equipment. |  |  |
| 5.7 | The wash down equipment has been reviewed to ensure any associated hazards have been addressed. |  |  |
| 5.8 | Suitable areas for mobile equipment refuelling are provided. |  |  |
| 5.9 | The refuelling area has containment provision for fuel spills. |  |  |
| 5.10 | Fire extinguishing equipment is available at the refuel area. |  |  |
| 5.11 | Mobile refuelling and service equipment is maintained in a safe operational condition. |  |  |
| 5.12 | Safe means to access and alight from vehicles under maintenance and to access other necessary areas are provided. |  |  |
| 5.13 | Surfaces on vehicles where employees walk or climb are slip resistant and hand holds are provided where necessary. |  |  |
| 5.14 | Where maintenance cannot be carried out in a dedicated maintenance facility under the normal procedures, specific safe work procedures are developed for each and every task that has to be carried out. |  |  |

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