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| **PLANT DETAILS** | | | |
| Plant Owner: | Address: | | Ph: |
| Plant Make: | Plant Model: | Plant Serial No: | Hours / KM’s: |
| Roads Reg No: | Reg Expiry: | Project Registration No: | Project Asset No: |
| Last Service Date / Hrs: | | Next service Date / Hrs: | |
| Hours loader motor: | Hours hydraulics: | Hours cutter motor: |  |
| **MINIMUM REQUIREMENTS** (If the minimum requirements are not met, a plant sticker will not be issued and the item of plant is not to commence work) | | | |

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| **Verify** | **Check** | **Requirement** | **Verify** | **Check** | **Requirement** |
|  |  | Operator and Maintenance Manual available |  |  | Plant Hazard Assessment Sighted & Current (within 2 yrs): |
|  |  | Logbook / Service Records (checked ok): |  |  | Plant Hazard Assessment Inspection Date: / / |
|  |  | Audible Alarm and other Warning Devices fitted, operable and suitable for site conditions |  |  | Daily Prestart Inspection Checklist is available for use. |
|  |  | Fire Extinguisher Fitted and charged |  |  |  |

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| **Instructions: Verify Box** to be ticked by Owner / Supplier / Operator prior to arrival onsite. **Check Box** to be ticked after visual inspection by the project |
| |  |  |  | | --- | --- | --- | | **Verify** | **Check** | **Cabin** | |  |  | Cleanliness | |  |  | Door operational | |  |  | Dead man pedal /switch operational | |  |  | Handrails and ladders fitted and secure at height > 1.8mtrs | |  |  | Seat – adjustments operational secure | |  |  | Seat belt fitted and in good working order | |  |  | Instruments operational & labelled | |  |  | Levers / controls operational | |  |  | UHF Radio Fitted (If not fitted, has a hand held radio been supplied) | |  |  | FOPs Canopy to meet AS 2294 | |  |  | Warning devices and other lights (flashing, head, tail, etc) are appropriate for the environment in which plant is being used. (check environment noise criteria particularly if working out of hours) | |  |  | Wipers / washers operational | |  |  | Windows not damaged/ open close and sealed | |  |  | Check boom and apron anti-collision system works | |  |  | Warning signs – **PERMIT TO EXCAVATE** | |  |  | Warning signs - **DANGER – BEWARE OVERHEAD WIRES & UNDERGROUND SERVICES** | | **Verify** | **Check** | **Engine** | |  |  | Engine Mountings and Guarding | |  |  | Exhaust Guarding | |  |  | Oil Leaks/levels checked | |  |  | Coolant Leaks/levels checked | |  |  | Coolant System | |  |  | Vee Belt Condition | |  |  | Air Cleaner System | |  |  | Battery Condition / Mounting | |  |  | Catalytic converter fitted on engine (if engine fitted) |  |  |  |  | | --- | --- | --- | | **Verify** | **Check** | **Apron** | |  |  | Spinner tips fitted and free from wear | |  |  | Apron decks free of wear and hard faced | |  |  | Conveyor chain free from wear and adjusted | |  |  | Chain idle and drive sprockets free from wear | | **Mechanical Checks** | | | | **Verify** | **Check** | **Environmental** | |  |  | Clean, free of organic materials (mud, dirt, weeds or seeds) prior to arrival | |  |  | Engine baffling or noise reduction equipment fitted as per manufacturers specifications | |  |  | Smoke from internal combustion engines should not be visible for more than ten seconds | | **Verify** | **Check** | **Undercarriage** | |  |  | Track and undamaged complete including chain guides | |  |  | Idlers / Rollers | |  |  | Drivers free from leaks | |  |  | Track drives Sprockets. | |  |  | Track tension LHS/RHS |  |  |  |  | | --- | --- | --- | | **Verify** | **Check** | **Cutter boom/Head** | |  |  | Cutter drum retaining bolts fitted | |  |  | Pick blocks, picks and hard facing complete | |  |  | Free from oil leaking in cutter gear/boom area | |  |  | Pins and retainers fitted on boom and no excess movement | | **Verify** | **Check** | **Hydraulics** | |  |  | Rams | |  |  | Hoses | |  |  | Connections (check for excessive wear, leaks and creep) | | **Verify** | **Check** | **Tail Conveyor** | |  |  | Slew mechanical stops fitted to side swing L/R | |  |  | Belt and moving parts guarding fitted | |  |  | Idle and trough rollers fitted | |  |  | Drum drive lagging clean and complete | |  |  | Conveyor belt is tracked and free from damage | | **Verify** | **Check** | **General** | |  |  | Machine cooling water system in place | |  |  | Check movement of housing and at boom pivot area and in sumping frame | | **Verify** | **Check** | **General** | |  |  | Stab jack function, pins and retainers fitted | |  |  | No excessive movement in turret and all bolts fitted |   http://www.miniature-construction-world.co.uk/gallery/sandvik/mt720/IMG_7946.jpg |
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| **Instructions: Verify Box** to be ticked by Owner / Supplier / Operator prior to arrival onsite. **Check Box** to be ticked after visual inspection by the project |
| |  |  |  | | --- | --- | --- | | **Verify** | **Check** | **Cabin** | |  |  | Rotating Beacon operable | |  |  | Function of horn | |  |  | Deadman Pedal /Switch operational | |  |  | Emergency stops where fitted operable | |  |  | Machine guidance system fitted and functions | |  |  | Reverse alarm operable | |  |  | Reversing camera | | **Verify** | **Check** | **Main Panel** | |  |  | Positive lock out fitted and tested for machine isolation | |  |  | Circuit diagrams supplied | |  |  | Covers fitted and all door bolts installed | |  |  | Door locks functional | |  |  | Mechanical interlock of isolation switch | |  |  | Shroud for incoming cable, labelled **Danger- Alive Isolate Elsewhere** | |  |  | Panel door, labelled **Danger- Alive Isolate Elsewhere** | |  |  | Danger volts sign fitted on front door list volts sign | |  |  | Panels free from debris and moisture | |  |  | Push buttons, isolators and indicators labelled correctly | |  |  | Gland plate, door, mounting plate earthed |  |  |  |  | | --- | --- | --- | | **Electrical Checks** | | | | **Verify** | **Check** | **Trailing Cable** | |  |  | Overall condition | |  |  | Condition of plug | |  |  | Cable sock fitted and tied back | |  |  | Cable I.D tag fitted | |  |  | Test report supplied | |  |  | 1000Volt plug of correct amps 300/425 and free from damage with pilot pin fitted |  |  |  |  | | --- | --- | --- | | **Verify** | **Check** | **Slip rings/ cable reel** | |  |  | Clean and free from debris and moisture | |  |  | Brushes fitted | |  |  | Cable reel limits set | | **Verify** | **Check** | **General** | |  |  | Check setting of over load and earth leakage relays as applicable | |  |  | Isolation resistance | |  |  | Earth continuity | |  |  | Check all connections for tightness | |  |  | Emergency lanyard fitted full length of conveyor both sides | |  |  | Electrical department to inspect machine prior to power up (safety review) | |  |  | Check movement of cables at boom pivot area and in sumping frame | |  |  | Warning Signs - **LASER WORKING AREA** | | **Verify** | **Check** | **Motors electric** | |  |  | All bolts in covers | |  |  | Terminals secure | |  |  | Motor mounting bolts secure | | **Verify** | **Check** | **Meters** | |  |  | Volt meter | |  |  | Amp meter |   http://www.mitsuimiike.co.jp/english/product/excavator/rh/images/index_ph004.jpg |
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| **PLANT OWNER / OCCUPIER** | **PLANT VERIFIER** |
| I certify that the described plant has met the inspection criteria stipulated within this checklist and is being serviced and maintained in accordance with the manufacturer’s specifications | I certify that I have verified that the described plant has met the inspection criteria stipulated within this checklist and is being serviced and maintained in accordance with the manufacturer’s specifications |
| Name (Mechanical Rep): Signature: Date:  Name (Electrical Rep): Signature: Date: | Name: Signature: Date: |