



Mine Mobile Equipment Pre-Operational Inspection Checklist 2026

Administrative & Operator Verification

Verification of operator certification, pre-shift logs, and ensuring all required-duty documentation and permits are valid for the current shift.

Inspection Date

Operator Full Name

Equipment ID / Asset Number

Shift Assignment

- ☐ Day Shift
- ☐ Night Shift
- ☐ Swing Shift

Required Permits/Documents Present

- ☐ Operator License/Certification
- ☐ Pre-Start Logbook
- ☐ Equipment Service Record
- ☐ Daily Work Order

Operator Verification Signature

Visual Exterior & Structural Integrity

Comprehensive inspection of the chassis, bodywork, structural components, and checking for any visible cracks, corrosion, or impact damage.

Structural Component Inspection

- ☐ Chassis/Frame Integrity
- ☐ Boom/Arm Condition
- ☐ Bucket/Blade/Attachment Condition
- ☐ Operator Canopy (ROPS/FOPS)
- ☐ Counterweight Security

Visible Damage Severity

- ☐ None
- ☐ Minor (Monitor)
- ☐ Moderate (Requires Maintenance)
- ☐ Critical (Immediate Shutdown Required)

Damage Description

Write something...

Damage Documentation Photos

 Upload File

Inspector Verification

Fluid Levels & Leak Detection

Verification of engine oil, coolant, hydraulic fluid, transmission fluid, and brake fluid levels, alongside checks for any active leaks under the machine.

Engine Oil Level Status

- ☐ Normal
- ☐ Low - Refill Required
- ☐ Critically Low - Do Not Operate

Hydraulic Fluid Level Status

- ☐ Normal
- ☐ Low - Refill Required
- ☐ Critically Low - Do Not Operate

Coolant Level Status

- ☐ Normal
- ☐ Low - Refill Required
- ☐ Critically Low - Do Not Operate

Detected Leaks

- ☐ Engine Oil Leak
- ☐ Hydraulic Leak
- ☐ Coolant Leak
- ☐ Fuel Leak
- ☐ Air/Pneumatic Leak

Leak Description & Severity

Write something...

Photos of Identified Leaks

 Upload File

Tires, Wheels, and Undercarriage

Detailed assessment of tire pressure, tread depth, lug nut torque, and inspection of tracks, rollers, or suspension components for wear and debris.

Tire/Track Condition Status

- ☐ Good
- ☐ Fair (Monitor closely)
- ☐ Critical (Immediate Repair Required)

Tire Pressure (PSI/Bar)

Enter a number...

Detected Issues

- ☐ Low Pressure
- ☐ Deep Cuts/Tears
- ☐ Loose Lug Nuts
- ☐ Uneven Tread Wear
- ☐ Debris in Undercarriage
- ☐ Track Tension Issue

Detailed Damage Observations

Write something...

Photo Evidence of Wear/Damage

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Braking & Steering Systems

Functional testing of service brakes, parking brakes, and steering responsiveness to ensure complete control during maneuvers.

Service Brake Functionality

- ☐ Operational
- ☐ Defective - Requires Immediate Repair
- ☐ Defective - Monitor Closely

Parking Brake Engagement

- ☐ Secure/Holding
- ☐ Slipping/Failing

Steering Response & Smoothness

- ☐ Normal
- ☐ Heavy/Difficult
- ☐ Erratic/Lags

Steering/Braking Defect Details

Write something...

Operator Verification

Hydraulic & Pneumatic Systems

Inspection of all hydraulic hoses, cylinders, and fittings for leaks, bulges, or abrasions, as well as checking air brake system pressure.

Hydraulic Hose & Fitting Inspection

- ☐ No visible leaks detected
- ☐ Surface abrasions or cuts noted
- ☐ Cracked or weathered hoses
- ☐ Loose or leaking fittings

Hydraulic Cylinder Condition

- ☐ Good
- ☐ Leaking
- ☐ Damaged Rod/Piston

System Operating Pressure (PSI/Bar)

Enter a number...

Detailed Observations of Leaks or Wear

Write something...

Photo Documentation of Deficiencies

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Technician Verification

Electrical Systems & Lighting

Testing of headlights, work lights, indicators, backup alarms, sirens, and checking battery terminals for corrosion and secure connections.

Lighting Component Inspection

- ☐ Headlights Operational
- ☐ Work Lights/Floodlights Operational
- ☐ Indicator/Turn Signals Operational
- ☐ Brake Lights Operational
- ☐ Reverse Alarm/Beeper Operational
- ☐ Beacon/Strobe Light Operational

Battery Terminal Condition

- ☐ Good/Clean
- ☐ Corroded
- ☐ Loose Connection
- ☐ Requires Maintenance

Visible Wiring or Cable Damage

Write something...

Photo of Electrical Panel/Battery Compartment

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Electrical Fault Details & Observations

Write something...

Operator Cabin & Controls

Inspection of seatbelts, mirrors, visibility windows, instrument cluster functionality, and the responsiveness of all levers, pedals, and joysticks.

Seatbelt Condition

- ☐ Functional/Intact
- ☐ Damaged/Frayed
- ☐ Missing

Mirror & Visibility Check

- ☐ Clear & Adjusted
- ☐ Dirty/Obscured
- ☐ Broken/Cracked

Control Functionality Check

- ☐ Throttle/Accelerator
- ☐ Brake Pedals
- ☐ Hydraulic Levers
- ☐ Horn/Audible Alarms
- ☐ Wiper/Washer System

Instrument Cluster Observations

Write something...

Operator Verification

Safety Devices & Fire Suppression

Verification of the operational status of fire suppression systems, emergency stop buttons, ROPS/FOPS integrity, and presence of portable fire extinguishers.

Fire Suppression System Status

- ☐ Operational
- ☐ Defective/Discharged
- ☐ Requires Maintenance

Emergency Stop Button Functionality

- ☐ Passed
- ☐ Failed

Safety Equipment Presence Check

- ☐ Portable Fire Extinguisher
- ☐ First Aid Kit
- ☐ Reflective Triangles/Cones
- ☐ Personal Radio

Defect Details & Observations

Write something...

Inspector Affirmation

Post-Inspection Summary & Sign-off

Final assessment of 'Go/No-Go' status, recording of identified defects, and formal authorization from the operator and supervisor.

Final Equipment Status

- ☐ Ready for Operation
- ☐ Operational with Minor Defects (Monitor Required)
- ☐ Out of Service (Immediate Repair Required)

Defect Details & Observations

Write something...

Inspection Date

Enter date...

Operator Signature

Supervisor Approval

Photo Evidence of Defects

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