

Construction Inspection Checklist (for Heavy Machinery and Hand-Held Tools)



Construction Inspection Checklist

General Inspection:

- Verify the equipment's identification and serial number (if applicable).
- Check the equipment's overall condition for signs of damage or wear.
- Inspect for visible leaks of fuel, oil, coolant, or hydraulic fluid.
- Verify that all safety decals, warning labels, and safety instructions are present and legible.
- Check for any modifications or unauthorized alterations to the equipment or tool.

Fluid Levels (if applicable):

- Check engine oil level and condition (for applicable equipment).
- Inspect hydraulic fluid level and quality (for applicable equipment).
- Verify coolant level and concentration (for applicable equipment).
- Check fuel level and inspect for contamination.

Mechanical Components:

- Inspect tires, tracks, or wheels for wear and proper inflation (if applicable).
- Check the condition of belts, hoses, and chains.
- Verify the operation and condition of brakes (if applicable).
- Inspect the condition of the suspension and shock absorbers (if applicable).
- Check for excessive vibration or unusual noises during operation.

Electrical Components (for applicable equipment and tools):

- Verify the functionality of all lights (headlights, taillights, indicators).
- Check the operation of warning alarms and backup alarms (if applicable).
- Inspect the battery and its connections for corrosion and proper voltage.
- Test all switches and controls for proper functioning.

Operator's Compartment (for applicable equipment):

- Inspect the operator's seat for damage and proper adjustments.
- Check the condition of the seatbelt and ensure it latches securely.
- Verify the functionality of the controls and gauges.
- Inspect windows and mirrors for visibility and damage.
- Check the operation of air conditioning and heating (if applicable).

Safety Features:

- Verify the functionality of all safety devices (e.g., ROPS, FOPS, safety interlocks).
- Check the operation of emergency stop buttons and emergency shutdown systems.
- Inspect fire extinguisher(s) for proper charge and accessibility.
- Ensure that all required safety guards and shields are in place for equipment and tools.

Attachments and Implements (for applicable equipment):

- Inspect attachments for proper mounting and secure connections.
- Verify the condition and sharpness of cutting edges and teeth (if applicable).
- Check hydraulic connections for leaks and proper functionality (if applicable).
- Inspect the condition of buckets, forks, blades, augers, or other attachments (if applicable).

Hand Grips and Controls (for hand-held tools):

- Inspect handles or grips for damage and secure attachment to the tool.
- Check the functionality of all control switches, triggers, and speed settings.
- Ensure that handles provide a comfortable and ergonomic grip.

Safety Labels and Instructions:

- Verify that all safety labels and warnings are present and legible for equipment and tools.
- Review the equipment and tool user manuals and follow the manufacturer's safety instructions.

Personal Protective Equipment (PPE):

- Ensure that appropriate PPE, such as safety goggles, gloves, and hearing protection, is available and worn by users of equipment and tools.
- Check that users are trained in the proper use and handling of the equipment and tools.

Work Area Inspection:

- Inspect the work area for any potential hazards or obstacles for both equipment and hand-held tools.
- Ensure adequate lighting for safe equipment and tool operation.

Documentation and Maintenance:

- Verify that the equipment's maintenance log is up-to-date.
- Check service records for completed maintenance and repairs for both equipment and tools.
- Ensure that all required inspections and certifications are current for equipment.
- Review the equipment and tool user manuals and operating instructions.

Inspection Records:

- Document the inspection findings, including any identified issues or deficiencies, for both equipment and tools.
- Record the date and time of the inspection and the inspector's name.
- Indicate whether the equipment and tools passed or failed the inspection.
- File the inspection report in a secure and accessible location.