

overhead crane daily inspection checklist

OSHA 1910.179 requires a daily safety inspection prior to use to ensure the integrity of the system.

General Checkout

ITEMS TO INSPECT	S	U
▪ Inspection Tag: Ensure the tag is present & system is within inspection due date.	<input type="checkbox"/>	<input type="checkbox"/>
▪ Crane Disconnect: Know where the crane disconnect is located.	<input type="checkbox"/>	<input type="checkbox"/>
▪ Work/Loading Area: Ensure work & loading area are free of obstacles and load can move freely.	<input type="checkbox"/>	<input type="checkbox"/>
▪ Capacity: Know the weight limit of the crane and the total load weight to avoid overloading the system.	<input type="checkbox"/>	<input type="checkbox"/>
▪ Damaged Parts: Verify there are no loose, broken or rusty parts on the bridge, runway, hoist or trolley and that there is no evidence of oil leakage.	<input type="checkbox"/>	<input type="checkbox"/>
▪ Below the Hook Devices: Check all below-the-hook devices are designed for the intended lift.	<input type="checkbox"/>	<input type="checkbox"/>
▪ Bridge & Trolley: Verify the trolley & bridge are aligned and that motor brakes are working properly.	<input type="checkbox"/>	<input type="checkbox"/>
▪ General Safety: Ensure there is no personnel present in working area without proper safety gear and verify emergency supplies are present.	<input type="checkbox"/>	<input type="checkbox"/>

Electrical Systems Checkout

ITEMS TO INSPECT	S	U
▪ Buttons: Make sure the buttons move in correct direction, don't stick after release and return to 'off' position after release.	<input type="checkbox"/>	<input type="checkbox"/>
▪ Pushbutton 'ON': Ensure the crane warning device functions correctly.	<input type="checkbox"/>	<input type="checkbox"/>
▪ Upper Limit Switch: Check the upper limit switch & ensure it is working properly.	<input type="checkbox"/>	<input type="checkbox"/>
▪ Hoist Mobility: Ensure the hook rises properly when 'up' button is held.	<input type="checkbox"/>	<input type="checkbox"/>

Wire Rope / Load Chain Checkout

ITEMS TO INSPECT	S	U
▪ Wire Rope: Check for frayed, kinked, twisted or damaged rope and ensure there is no reduction in diameter.	<input type="checkbox"/>	<input type="checkbox"/>
▪ Load Chain: Check for corrosion, cracks & other damage on links of the load chain.	<input type="checkbox"/>	<input type="checkbox"/>
▪ Contact Points: Verify there is no excessive wear on contact points.	<input type="checkbox"/>	<input type="checkbox"/>
▪ Chain Sprockets: Ensure sprockets are operating accordingly .	<input type="checkbox"/>	<input type="checkbox"/>

Bottom Block Checkout

ITEMS TO INSPECT	S	U
▪ Sheaves: Ensure sheaves rotate freely and sheave guards are smooth and unbroken.	<input type="checkbox"/>	<input type="checkbox"/>
▪ Capacity Markings: Ensure the system's capacity markings are legible and present.	<input type="checkbox"/>	<input type="checkbox"/>
▪ Structural Integrity: Check the overall structure block for damage or cracks on components.	<input type="checkbox"/>	<input type="checkbox"/>

Hooks Checkout

ITEMS TO INSPECT	S	U
▪ Safety Latches: Verify safety latches are in proper working condition.	<input type="checkbox"/>	<input type="checkbox"/>
▪ Hook Integrity: Ensure the hook is not bent or has more than 10% of wear & can move freely with minimal drift when releasing control.	<input type="checkbox"/>	<input type="checkbox"/>
▪ Hook Nut: Check that the hook nut is tight and properly locked to the hook.	<input type="checkbox"/>	<input type="checkbox"/>