

Crane / Hoist Monthly Inspection

Month / Year:	Serial #:	Location:
Inspector:		Description:

Visual Inspection	Pass	Fail
1. Structural: broken welds, cracks, dents, bends, flaking paint, loose or mission parts, worn parts.	<input type="checkbox"/>	<input type="checkbox"/>
2. Leaks: on or around the crane.	<input type="checkbox"/>	<input type="checkbox"/>
3. Rails and Rail Sweeps: clear of debris and good condition	<input type="checkbox"/>	<input type="checkbox"/>
4. Sheaves: no visible damage, cable damaging the sheave, sheave properly rotating.	<input type="checkbox"/>	<input type="checkbox"/>
5. Bridge/Trolley Stops and Bumpers: in place and in good condition.	<input type="checkbox"/>	<input type="checkbox"/>
6. Pendant Controls (Labels, Buttons, Strain Relief, Cable in good condition) (ANSI Label)	<input type="checkbox"/>	<input type="checkbox"/>
7. Capacity Labels (Clearly visible on Block and Beam)	<input type="checkbox"/>	<input type="checkbox"/>
8. Wire Rope Reeving (Wire Properly Seated in Sheaves)	<input type="checkbox"/>	<input type="checkbox"/>
9. Electrical Systems (Visual check of the Electrical system, Strain Relief, Burns, Wear)	<input type="checkbox"/>	<input type="checkbox"/>
10. Inspect work area (Inspection of the floor area)	<input type="checkbox"/>	<input type="checkbox"/>
11. Emergency electrical shut-off labeled and accessible	<input type="checkbox"/>	<input type="checkbox"/>

Move Crane to Safe Location!

Hands-On (Powered Off) Close Visual Inspection	Pass	Fail
<i>Before hands on inspection perform Lock out Tag out as shown in your S.O.P.</i>		
1. Crane does not respond when buttons are activated	<input type="checkbox"/>	<input type="checkbox"/>
2. Sheaves (Wire Rope in sheave and sheave properly rotates)	<input type="checkbox"/>	<input type="checkbox"/>
3. Electrical System (Feeder rails, Pickups, Motors, Pendant, Wires)	<input type="checkbox"/>	<input type="checkbox"/>
4. Drum (inspect for deformation)	<input type="checkbox"/>	<input type="checkbox"/>
5. Rail (Clean and inspect)	<input type="checkbox"/>	<input type="checkbox"/>
6. Structural (Welds, Bolt Connections, Deformations, Corrosion)	<input type="checkbox"/>	<input type="checkbox"/>
7. Electrical Wire (Look for burn marks, strain, damage)	<input type="checkbox"/>	<input type="checkbox"/>
8. Rail Sweeps & Stops	<input type="checkbox"/>	<input type="checkbox"/>
9. Guards (in place and in working order)	<input type="checkbox"/>	<input type="checkbox"/>

Operational Inspection (Power On)		
1. When the Emergency Stop is pressed, crane will not function (Press all Buttons)	<input type="checkbox"/>	<input type="checkbox"/>
2. Bridge/Trolley Travel (Speed, Ramp Up/Down, Reaction to button press)	<input type="checkbox"/>	<input type="checkbox"/>
3. Hoist Travel (Speed, Ramp Up/Down, Reaction to button press)	<input type="checkbox"/>	<input type="checkbox"/>
4. Clearance (Minimum 3" of clearance from top and 2" from each side)	<input type="checkbox"/>	<input type="checkbox"/>
5. Operation (general operation is Okay) (Unusual Noises)	<input type="checkbox"/>	<input type="checkbox"/>
6. Warning Horn and Light Operational	<input type="checkbox"/>	<input type="checkbox"/>
7. Lower Limit Switch (Lower to the lower floor and stop 3" above floor)	<input type="checkbox"/>	<input type="checkbox"/>
8. Upper Limit Switch (Raise to upper limit, and will not hit drum with no load)	<input type="checkbox"/>	<input type="checkbox"/>
9. Wire Rope has two wraps on drum when at lowest point	<input type="checkbox"/>	<input type="checkbox"/>

Wire Rope		
1. Visual condition (Corrosion, Kinking, Wear)	<input type="checkbox"/>	<input type="checkbox"/>
2. Broken Wire (10 broken wires in a lay, 5 broken wires in a strand in one lay)	<input type="checkbox"/>	<input type="checkbox"/>

Hooks

- | | | |
|-----------------------------------------------------------------|--------------------------|--------------------------|
| 1. Safety Latch Present and Operational | <input type="checkbox"/> | <input type="checkbox"/> |
| 2. Throat Opening less than 15% beyond original condition | <input type="checkbox"/> | <input type="checkbox"/> |
| 3. Twist is less than 10 degrees either direction | <input type="checkbox"/> | <input type="checkbox"/> |
| 4. Hook Properly Swivels | <input type="checkbox"/> | <input type="checkbox"/> |
| 5. General Condition (Look for slag, damage, corrosion, cracks) | <input type="checkbox"/> | <input type="checkbox"/> |

Slings

- | | | |
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| 1. Stretch | <input type="checkbox"/> | <input type="checkbox"/> |
| 2. Broken Welds | <input type="checkbox"/> | <input type="checkbox"/> |
| 3. Twist | <input type="checkbox"/> | <input type="checkbox"/> |
| 4. Bent | <input type="checkbox"/> | <input type="checkbox"/> |
| 5. Corrosion | <input type="checkbox"/> | <input type="checkbox"/> |
| 6. Unusual Noise | <input type="checkbox"/> | <input type="checkbox"/> |

Keep inspections on file for one year.

Comments: