

# OVERHEAD CRANE - EQUIPMENT INSPECTION

An inspection checklist form designed for overhead cranes. Satisfactory / un-satisfactory checklist categories evaluate interference, leakage, cracks, twisted lines, loose hardware, etc.



* Your Name	* Date / Time

## GENERAL DETAILS

Inspection Date	Location
Serial Number	

## INSPECTION DETAILS

Key:  
Sat = Satisfactory  
Unsat = Unsatisfactory  
N/A = Not Applicable

All functional operating mechanisms for maladjustment interfering with proper operation
<input type="checkbox"/> Sat (1/1) <input type="checkbox"/> Unsat (0/1) <input type="checkbox"/> N/A

*This question only applies if All functional operating mechanisms for maladjustment interfering with proper operation is Unsat*

Comments
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Deterioration or leakage in lines, tanks, valves, drain pumps, and other parts of air or hydraulic systems
<input type="checkbox"/> Sat (1/1) <input type="checkbox"/> Unsat (0/1) <input type="checkbox"/> N/A

*This question only applies if Deterioration or leakage in lines, tanks, valves, drain pumps, and other parts of air or hydraulic systems is Unsat*

Comments

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Hooks with deformation or cracks

Sat (1/1)       Unsat (0/1)       N/A

*This question only applies if Hooks with deformation or cracks is Unsat*

Comments

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Hoist chains, including end connections, for excessive wear, twist, distorted links interfering with proper function, or stretch beyond manufacturer's recommendations

Sat (1/1)       Unsat (0/1)       N/A

*This question only applies if Hoist chains, including end connections, for excessive wear, twist, distorted links interfering with proper function, or stretch beyond manufacturer's recommendations is Unsat*

Comments

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All functional operating mechanisms for excessive wear of components

Sat (1/1)       Unsat (0/1)       N/A

*This question only applies if All functional operating mechanisms for excessive wear of components is Unsat*

Comments

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Rope reeving for noncompliance with manufacturer's recommendations

Sat (1/1)       Unsat (0/1)       N/A

*This question only applies if Rope reeving for noncompliance with manufacturer's recommendations is Unsat*

Comments

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Deformed, cracked, or corroded members

Sat (1/1)       Unsat (0/1)       N/A

*This question only applies if Deformed, cracked, or corroded members is Unsat*

Comments

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Loose bolts or rivets

Sat (1/1)       Unsat (0/1)       N/A

*This question only applies if Loose bolts or rivets is Unsat*

Comments

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Cracked or worn sheaves and drums

Sat (1/1)       Unsat (0/1)       N/A

*This question only applies if Cracked or worn sheaves and drums is Unsat*

Comments

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Worn, cracked or distorted parts such as pins, bearings, shafts, gears, rollers, locking and clamping devices

Sat (1/1)       Unsat (0/1)       N/A

*This question only applies if Worn, cracked or distorted parts such as pins, bearings, shafts, gears, rollers, locking and clamping devices is Unsat*

Comments

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Excessive wear on brake system parts, linings, pawls, and ratchets

Sat (1/1)       Unsat (0/1)       N/A

*This question only applies if Excessive wear on brake system parts, linings, pawls, and ratchets is Unsat*

Comments

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Load, wind, and other indicators over their full range, for any significant inaccuracies

Sat (1/1)       Unsat (0/1)       N/A

*This question only applies if Load, wind, and other indicators over their full range, for any significant inaccuracies is Unsat*

Comments

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Gasoline, diesel, electric, or other powerplants for improper performance or noncompliance with applicable safety requirements

Sat (1/1)       Unsat (0/1)       N/A

*This question only applies if Gasoline, diesel, electric, or other powerplants for improper performance or noncompliance with applicable safety requirements is Unsat*

Comments

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Excessive wear of chain drive sprockets and excessive chain stretch

Sat (1/1)       Unsat (0/1)       N/A

*This question only applies if Excessive wear of chain drive sprockets and excessive chain stretch is Unsat*

Comments

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Electrical apparatus, for signs of pitting or any deterioration of controller contactors, limit switches and pushbutton stations

Sat (1/1)       Unsat (0/1)       N/A

*This question only applies if Electrical apparatus, for signs of pitting or any deterioration of controller contactors, limit switches and pushbutton stations is Unsat*

Comments

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Reduction of rope diameter below nominal diameter due to loss of core support, internal or external corrosion, or wear of outside wires

Sat (1/1)       Unsat (0/1)       N/A

*This question only applies if Reduction of rope diameter below nominal diameter due to loss of core support, internal or external corrosion, or wear of outside wires is Unsat*

Comments

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A number of broken outside wires and the degree of distribution or concentration of such broken wires

- Sat (1/1)       Unsat (0/1)       N/A

*This question only applies if A number of broken outside wires and the degree of distribution or concentration of such broken wires is Unsat*

Comments

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Worn outside wires

- Sat (1/1)       Unsat (0/1)       N/A

*This question only applies if Worn outside wires is Unsat*

Comments

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Corroded or broken wires at end connections

- Sat (1/1)       Unsat (0/1)       N/A

*This question only applies if Corroded or broken wires at end connections is Unsat*

Comments

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Corroded, cracked, bent, worn, or improperly applied end connections

Sat (1/1)       Unsat (0/1)       N/A

*This question only applies if Corroded, cracked, bent, worn, or improperly applied end connections is Unsat*

Comments

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Severe kinking, crushing, cutting, or unstranding

Sat (1/1)       Unsat (0/1)       N/A

*This question only applies if Severe kinking, crushing, cutting, or unstranding is Unsat*

Comments

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## OPERATIONAL TESTS

Hoisting and lowering

Sat (1/1)       Unsat (0/1)       N/A

*This question only applies if Hoisting and lowering is Unsat*

Comments

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Trolley travel

Sat (1/1)       Unsat (0/1)       N/A

*This question only applies if Trolley travel is Unsat*

Comments

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Bridge travel

- Sat (1/1)       Unsat (0/1)       N/A

*This question only applies if Bridge travel is Unsat*

Comments

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Limit switches, locking and safety devices

- Sat (1/1)       Unsat (0/1)       N/A

*This question only applies if Limit switches, locking and safety devices is Unsat*

Comments

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## SUMMARY



Additional Comments

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Inspector

Signature

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