

Go digital today!

Convert your paper checklists into digital forms

Scan this QR code to use this paper checklist on your smartphone or tablet or visit <https://safetyculture.com/>



Title Page

Client / Site

Conducted on (Date and Time)

 

Inspected by

Location

 

General Requirements

Is the rated load of the crane plainly marked on each side of the crane?

- Yes No N/A
-

Is the marking clearly visible from the floor?

- Yes No N/A
-

Is a clearance of 3 inches maintained laterally between the crane and the nearest obstruction?

Yes No N/A

Are only designated personnel permitted to operate the crane?

Yes No N/A

Stops, Bumpers, Rail Sweeps, and Guards

Are stops provided at the limits of travel of the trolley?

Yes No N/A

a. Are stops fastened to resist forces applied when contacted?

Yes No N/A

b. Are stops engaging the tread at least equal in diameter to the radius of the wheel?

Yes No N/A

Is the bridge provided with bumpers, or is the trolley operated at a sufficiently slow speed?

Yes No N/A

Is the trolley provided with bumpers or is the trolley operated at a low rate of speed?

Yes No N/A

Are guards provided to prevent hoisting rope fouling?

Yes No N/A

Are guards provided to prevent contact between the bridge electrical conductors and the hoisting mechanism?

Yes No N/A

Are all exposed moving parts guarded that might constitute a hazard under normal conditions?

Yes No N/A

a. Are all guards securely fastened?

Yes No N/A

b. Is the guard substantial enough?

Yes No N/A

Brakes

Is each independent hoisting unit equipped with at least one self-setting brake?

Yes No N/A

Does the braking mechanism prevent overspeeding?

Yes No N/A

Has the holding brake been tested to ensure sufficiency?

Yes No N/A

Are holding brakes on hoists applied automatically when power is removed?

Yes No N/A

Does the control brake maintain a safe lowering speed at all times?

Yes No N/A

Are foot-operated brakes easily applied with foot pressure?

Yes No N/A

Are all foot brake pedals constructed so that operator's foot will not easily slip off the pedal?

Yes No N/A

Are all foot-operated brakes equipped with an automatic means for positive release when pressure is released from the pedal?

Yes No N/A

Are all brakes for stopping the motion of the trolley of sufficient size to stop the trolley within a safe distance?

Yes No N/A

Electric Equipment

Is the control circuit current less than 600 volts (AC or DC)?

Yes No N/A

Is the pendant control voltage of less than 50 volts AC?

Yes No N/A

Are all pendant units protected against strain?

Yes No N/A

Are pendant controls adequately grounded?

Yes No N/A

Are all buttons clearly marked as to their purpose?

Yes No N/A

Is the contact with live parts prevented?

Yes No N/A

Is all electrical equipment protected from dirt, oil, grease, and moisture?

Yes No N/A

Are cranes equipped with a way to prevent inadvertent re-energization in the event of a power failure?

Yes No N/A

Do all pendant push buttons return to the off position when pressure is released?

Yes No N/A

Is the power supply to runway conductors controlled by a fixed circuit breaker accessible from the floor?

Yes No N/A

Are sufficient emergency disconnects provided?

Yes No N/A

Are all electrically driven traveling cranes provided with a limit switch in the hoisting direction?

Yes No N/A

Hoisting Equipment

Are all sheave grooves smooth and free of defects?

Yes No N/A

Are the ropes on the sheaves prevented from binding?

Yes No N/A

Are only loads lifted that are below the manufacturer's load limit for the ropes being used?

Yes No N/A

Are there more than 2 wraps of rope left on the drum when the hook is in its extreme low position?

Yes No N/A

Is the rope end securely attached?

Yes No N/A

Are all hooks used in accordance with the manufacturers' recommendations?

Yes No N/A

Inspection

Have all new cranes been inspected to ensure compliance with 1910.179?

Yes No N/A

Are all the following items inspected for maladjustment at least daily for each day use:

a. All functioning mechanisms?

✓ ✘ N/A

b. Visual inspection of hooks with deformations or cracks?

✓ ✘ N/A

c. Visual inspection of hoist chains for excessive wear, twist, distorted links or stretch?

✓ ✘ N/A

Are the following items inspected at least monthly:

a. Deformed or distorted hooks, with a certification by the person doing the inspection, date of inspection, the serial number of the hook, and the inspector's signature?

✓ ✘ N/A

b. All functional operating mechanisms for excessive wear?

✓ ✘ N/A

c. All ropes for compliance with manufacturer's recommendations?

✓ ✘ N/A

Are comprehensive inspections made to identify the following items at least annually, or more frequently if necessary: Loose bolts or rivets; deformed, cracked, or corroded members or parts; excessive wear on brake system parts; inaccuracies in load indicators; improper wiring; and the proper operation of all control mechanisms?

Yes No N/A

Are cranes that have been idle for more than a month inspected for the requirements before they are placed back into service?

Yes No N/A

Are cranes that have been idle for longer than 6 months been given a compliance inspection?

Yes No N/A

Testing

Are all new and modified cranes tested prior to use to include the following:

a. Hoisting and lowering?

✓ ✗ N/A

b. Trolley travel?

✓ ✗ N/A

c. Bridge travel?

✓ ✗ N/A

d. Limit switches?

✓ ✗ N/A

Maintenance

Has a preventative maintenance program been established based on the manufacturer's recommendations?

Yes No N/A

For all adjustments and repairs, are the following precautions taken:

a. Is the hoisting mechanism and load secured?

Yes No N/A

b. Are all controllers in the off position?

Yes No N/A

c. Is the unit deenergized, locked and tagged out?

Yes No N/A

d. Is a warning sign placed on the crane ("Out of Order")?

Yes No N/A

Are all unsafe conditions repaired before the crane is allowed back into operation?

Yes No N/A

Are all crane hooks with cracks in excess of 15 percent of the normal throat opening, or with more than a 10 degree twist from normal removed from service and discarded?

Yes No N/A

Are all pendant controls kept clean and function labels kept legible?

Yes No N/A

Rope Inspection

Is a thorough inspection of all running ropes (wire ropes that raise and lower the load) made at least monthly?

Yes No N/A

Are inspections documented by a certification record which includes the date of the inspection and the signature of the person doing the inspection?

Yes No N/A

Are all inspections records available for review?

Yes No N/A

Are conditions that could create an appreciable loss of rope strength corrected promptly (includes worn, corroded, cracked, severely kinked or crushed wires)?

Yes No N/A

Are all ropes that have been idle for more than a month given a thorough inspection before they are used?

Yes No N/A

Is care taken to ensure only loads are attached that can be safely handled:

a. By ensuring the load weight restrictions are observed?

✓ ✗ N/A

b. By ensuring that loads are attached with the chain or rope that are free of kinks or twists and is not wrapped around the load?

✓ ✘ N/A

c. By ensuring that the load is attached to the load block by slings or other devices?

✓ ✘ N/A

Is care taken to ensure that the load is secured and properly balanced before the load is moved?

Yes No N/A

During movement, is care taken to ensure that:

a. The hoist rope is not kinked?

✓ ✘ N/A

b. Multiple lines are not wrapped around each other?

✓ ✘ N/A

c. The hoist is not used to swing or side pull the load?

✓ ✘ N/A

Are crane operators prohibited from carrying loads over people?

Yes No N/A

Are employees prohibited from riding on the load or hook?

Yes No N/A

Do the operators routinely test the brakes when a load approaching that of the load limit is lifted?

Yes No N/A

Are operators prohibited from leaving their positions when a load is suspended?

Yes No N/A

Is a warning signal used to notify personnel if the load approaches near or over them?

Yes No N/A

Is the load-raising limit switch tested prior to each shift in which is to be used?

Yes No N/A

Other Requirements, General

Are all operators familiar with the operation and care of fire extinguishers?

Yes No N/A

Completion

Full Name and Signature of the Inspector



The templates available in our Public Library have been created by our customers and employees to help get you started using SafetyCulture's solutions. The templates are intended to be used as hypothetical examples only and should not be used as a substitute for professional advice. You should seek your own professional advice to determine if the use of a template is permissible in your workplace or jurisdiction. You should independently determine whether the template is suitable for your circumstances.