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**SafetyCulture****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

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