

# Daily Operator Inspection Requirements

- Daily inspections should be performed at the beginning of each shift or before initial use of the crane each shift by the operator or appointed person.

# Daily Operator Inspection Requirements

- Make sure crane or hoist is not tagged out. If a tag is in place, it is usually located at the power disconnect to the runway or on the pushbutton station.
- Check the load block to make sure all sheaves are running freely and sheave covers/guards are in place.



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- Inspect the hook for the following:
  1. Is the safety latch in place? Does it operate correctly?
  2. Is the hook bent or twisted? The twist cannot exceed  $10^{\circ}$  from the plane of the unbent hook or as recommended by the manufacturer.
  3. Has the throat opening increased? The throat opening cannot increase by more than 15% or as recommended by manufacturer.
  4. Check the bowl conditions. Are there any gauges, nicks or cuts that could damage synthetic slings and etc.?
  5. Check the rotation of the hook. Does it rotate freely the whole  $360^{\circ}$ ?



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- Inspect the wire rope to make sure it is lubricated and that none of the following conditions exist:

1. No kinks
2. No broken or cut strands
3. No bird caging
4. No corrosion
5. No core protrusion
6. No crushed sections of rope

1.



3.



2.



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- Inspect the control device to make sure all warning labels are in place and there are no cracks or missing bolts in the case.



# Daily Operator Inspection Requirements

- Inspect the system conditions
  1. Visually inspect the runway system. Are all bolts in place? Are there any obstructions on the runway?
  2. Visually inspect bridge, trolley and hoist connections. Does everything appear normal?
  3. Visually inspect the mainline conductor bar system. Are the conductors aligned properly? Are all joint covers in place? Are there any broken or loose support brackets?

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- Check Operational Functions
  1. Does the “E” stop function correctly?
  2. Do all the directional buttons and motions function correctly?
  3. Test the hoist limit switches and any travel limit switches, if present, to ensure they are operating correctly. This should be done without load.
  4. If there are any horns or lights present, do they function properly?
  5. Do all motions of travel run smoothly with no unusual sounds present?
  6. Check the ground for any signs of oil leakage.
  7. Pick up a load and make sure the brakes are functioning properly.

# Daily Operator Inspection Requirements

- If any damage or malfunctions are noted during the daily inspection, the operator shall immediately advise the appointed person so corrective action can be taken.
- If a malfunction occurs during operation, the operator shall immediately advise the appointed person so corrective action can be taken.
- If corrective action has not been completed by the end of the shift, the operator will advise the operator or operators of the next shift that corrective action is required and verify the crane is tagged out with an out of order sign.

