

Crane

Preventive Maintenance Checklist (page 1 of 3)

Comments:

Note: The items below should be inspected during a typical preventive maintenance check. Additional checklist items may be required depending on equipment or circumstances.

General:

- sheet metal
- guards & covers
- external lights
- safety / warning decals & labels
- hand signal chart

Driver's Cab and Station:

- grab rails & steps
- glass
- windshield wipers
- door restraints
- mirrors
- fire extinguisher
- seat restraint(s)
- seat belt(s)
- parking brake
- air pressure
- instruments & gauges
- switches
- horn
- lights
- steering
- engine clutch
- accelerator
- brake

Carrier Power Plant (lower):

- exhaust system guards & insulators
- belts & hoses
- guards / covers

Carrier:

- transmission
- drive line
- tires / wheels
- main frame members
- hydraulic hoses, tubing & fittings
- hydraulic fluid level
- anti-skid surface
- axle lock-out

- backup alarm

Outriggers:

- boxes
- beams
- cylinders
- floats / pads
- hydraulic hoses, tubes & fittings
- holding valves
- position locks
- warning signs

Operator's Cab & Station:

- grab rails / steps / platforms
- anti-skid surfaces
- glass
- windshield wipers
- door restraint
- fire extinguisher
- mirrors
- seat restraint
- seat belt
- operator's manual
- operating instructions / decals
- electrocution warning sign (inside)
- hand signal chart
- parking brake
- swing brake
- positive swing lock
- controls - forces / movements
- accelerator / throttle control
- air pressure
- hydraulics
- horn / warning device

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Preventive Maintenance Checklist (page 2 of 3)

Comments:

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Load Chart:

- per configuration
- durable, legible, visible from Operator's station
- secured

Safety Devices / Operational Aids:

- boom angle indicator
- boom length indicator
- main drum rotation indicator
- auxilliary drum rotation indicator
- load moment indicator
- load weight indicator
- radius indicator
- crane level indicator
- anti-two block device
- two block warning / damage device

Power Plant (Upper):

- exhaust system / guards / insulators
- belts / hoses
- guards / covers / rotating and reciprocating parts

Rotating Upper Structure:

- turntable
- electrical collector ring
- counterweight frame
- hydraulic pump(s)
- hydraulic hoses / tubes / fittings
- hydraulic pressure
- electrical wiring
- main hoist - motor / valves / lines
- main hoist - wrapping on drum
- main hoist - minimum (2) rope wraps
- auxilliary hoist - motor / valves & lines
- auxilliary hoist - wrapping on drum
- auxilliary hoist - minimum (2) rope wraps
- counterweight / mounting
- swing gear box
- electrocution warning sign (outside)
- counterweight warning sign

Main Boom:

- lift cylinder(s)
- telescoping cylinder(s)
- hydraulic hoses / tubing & fittings
- holding device
- boom sections alignment
- wear pads
- equal extension
- sheaves
- hoist line dead end
- wire rope retainer
- boom hinge pin
- boom head section
- auxilliary boom head
- structure

Manual Section:

- alignment
- locking device
- structure

Lattice Boom Extension:

- boom, extension alignment
- cords
- lattices
- end connections
- storage device
- sheave(s)
- wire rope retainer
- structure

Jib:

- positive stops
- sheave(s)
- wire rope retainer(s)
- structure

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Preventive Maintenance Checklist (page 3 of 3)

Comments:

Note: The items below should be inspected during a typical preventive maintenance check. Additional checklist items may be required depending on equipment or circumstances.

Main Load Block & Hook:

- capacity marking
- weight marking
- sheaves
- safety latches
- 10° hook twist
- 15% hook throat opening
- 10% hook wear
- swivel
- bearing
- wedge socket / end fitting
- reeving
- NDT results

Overhaul Ball & Hook:

- capacity marking
- weight marking
- safety latches
- 10° hook twist
- 15% hook throat opening
- 10% hook wear
- swivel
- bearing
- wedge socket / end fitting
- NDT results