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

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

Comments:

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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