

Crane Inspection Checklist: Shift and Periodic Walk

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Crane and inspector

DATE

TIME

JOBSITE / LOCATION

CRANE ID / UNIT NUMBER

SERIAL NUMBER

MAKE / MODEL

CRANE TYPE

RATED CAPACITY

HOURLY METER / OPERATING HOURS

INSPECTOR NAME

INSPECTOR ROLE

INSPECTION TYPE

CONFIGURATION THIS SHIFT (BOOM/JIB, PARTS OF LINE, OUTRIGGER SPAN)

LAST DOCUMENTED MONTHLY (IF KNOWN)

LAST ANNUAL / PERIODIC (IF KNOWN)

- ☐ Idle equipment: extra inspection required before return to service (construction idle 3 months or more, 1926.1412(h); general industry idle 1 month or more, 1910.179(j)(4) or 1910.180(d)(5)).
- ☐ OEM operator manual and load chart are in the cab or at the operator station (1926.1417(c); Grove/Manitowoc holder requirement).

Structure and undercarriage				
Item	OK	Defect	N/A	Notes
Structural members	☐	☐	☐	
Bolts, rivets, and fasteners	☐	☐	☐	
Welds	☐	☐	☐	
Pins, bearings, shafts, gears, rollers, locking devices	☐	☐	☐	
Tires (when in use)	☐	☐	☐	
Crawler tracks and pads	☐	☐	☐	
Rails, rail stops, rail clamps, supporting surfaces	☐	☐	☐	
Electrical apparatus	☐	☐	☐	
Power plant	☐	☐	☐	
Operator cab windows	☐	☐	☐	
Operator seat	☐	☐	☐	
Steps, ladders, handrails, guards	☐	☐	☐	

Warning labels and decals	☐	☐	☐	_____
Cab storage and loose articles	☐	☐	☐	_____
Carrier / undercarriage leaks	☐	☐	☐	_____
Counterweight or ballast	☐	☐	☐	_____

Operating controls

Item	OK	Defect	N/A	Notes
Control mechanisms	☐	☐	☐	_____
Control and drive mechanisms	☐	☐	☐	_____
Hydraulic fluid level	☐	☐	☐	_____
Air, hydraulic, and pressurized lines	☐	☐	☐	_____
Hoses, fittings, and tubing	☐	☐	☐	_____
Hydraulic pumps, motors, valves, cylinders	☐	☐	☐	_____
Hoist brakes	☐	☐	☐	_____
Swing / slew brake and lock	☐	☐	☐	_____
Travel steering, brakes, and locking devices	☐	☐	☐	_____
Brake and clutch linings, pawls, ratchets	☐	☐	☐	_____
Foot pedal brake locks	☐	☐	☐	_____
Controls before start	☐	☐	☐	_____
Tag-out / do not operate signs	☐	☐	☐	_____
Pendant or remote station	☐	☐	☐	_____

Boom, jib, and wire rope

Item	OK	Defect	N/A	Notes
Boom and jib structure	☐	☐	☐	_____
Jib or boom extension configuration	☐	☐	☐	_____
Wire rope reeving	☐	☐	☐	_____
Wire rope Category I damage	☐	☐	☐	_____
Visible broken wires	☐	☐	☐	_____
Rope diameter reduction	☐	☐	☐	_____
End connections and terminals	☐	☐	☐	_____
Sheaves and drums	☐	☐	☐	_____
Critical rope review points	☐	☐	☐	_____

Two full wraps on the drum	☐	☐	☐	_____
Boom wear pads and pinning	☐	☐	☐	_____
Rope lubricant	☐	☐	☐	_____

Hook and load block

Item	OK	Defect	N/A	Notes
Hook deformation, cracks, wear, heat or chemical damage	☐	☐	☐	_____
Hook throat opening and twist	☐	☐	☐	_____
Hook latch	☐	☐	☐	_____
Hook identifier for the monthly record	☐	☐	☐	_____
Load block	☐	☐	☐	_____
Overhaul ball / headache ball	☐	☐	☐	_____
Hoist chain (if equipped)	☐	☐	☐	_____

Safety devices and operational aids

Item	OK	Defect	N/A	Notes
Crane level indicator	☐	☐	☐	_____
Anti two-block / hoist upper limit switch	☐	☐	☐	_____
Boom hoist limiting device	☐	☐	☐	_____
Boom angle or radius indicator	☐	☐	☐	_____
Boom length indicator	☐	☐	☐	_____
Load weighing / rated capacity indicator or limiter	☐	☐	☐	_____
Horn or warning signal	☐	☐	☐	_____
Fire extinguisher	☐	☐	☐	_____
Load chart and procedures in the cab	☐	☐	☐	_____
Outrigger / stabilizer position sensor	☐	☐	☐	_____
Boom stops	☐	☐	☐	_____
Jib stops	☐	☐	☐	_____
Wind indicator and outdoor rail clamps	☐	☐	☐	_____
Rated load marking (overhead)	☐	☐	☐	_____

Ground, outriggers, and level

Item	OK	Defect	N/A	Notes
Ground support	☐	☐	☐	_____

Settling under outriggers or supports	☐	☐	☐	_____
Standing water and similar conditions	☐	☐	☐	_____
Known underground hazards	☐	☐	☐	_____
Crane level within OEM tolerances	☐	☐	☐	_____
Mats, cribbing, floats, supporting materials	☐	☐	☐	_____
Outrigger or stabilizer beam position	☐	☐	☐	_____
Outrigger or stabilizer pads / floats	☐	☐	☐	_____
Outrigger / stabilizer holding device	☐	☐	☐	_____
Slider pads	☐	☐	☐	_____
On-rubber operation (if used)	☐	☐	☐	_____
Overhead runway, bumpers, rail sweeps	☐	☐	☐	_____

Defects and sign-off

DEFECTS FOUND

ACTION TAKEN

DEFECTS REPORTED TO

SAFETY-HAZARD DETERMINATION

☐ Equipment may be used this shift. No unrepaired safety hazard remains.

INSPECTOR SIGNATURE

TIME SIGNED

QUALIFIED PERSON SIGNATURE (ANNUAL/PERIODIC, IF DIFFERENT)

OTHER COMMENTS

Reference only. Verify against the vehicle OEM procedure and applicable regulations.