

## Mobile Crane Operation Daily Inspection Checklist

**DATE:** \_\_\_\_\_ **INSPECTOR:** \_\_\_\_\_ **LOCATION:** \_\_\_\_\_ **EQUIPMENT / ID:** \_\_\_\_\_

### WHY THIS INSPECTION MATTERS

OSHA 29 CFR 1926.1412 requires every shift inspection of a mobile crane by a competent person before use, plus an annual comprehensive inspection. Crane failures are catastrophic — overturns, dropped loads, and boom collapses cause multiple fatalities at once. A documented pre-shift check is non-negotiable on every lift.

#	INSPECTION ITEM	PASS	FAIL	N/A	NOTES
1	Operator holds a current crane operator certification for this crane type and capacity.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2	Crane logbook is on board, current, and shows previous shift inspections and any defects.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3	Load chart for this configuration is in the cab, legible, and matches the crane in use.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4	Walk-around: no visible cracks, deformation, or damage to boom, jib, or main structure.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5	Wire ropes show no kinks, broken wires, corrosion, or excessive wear (per ASME B30 limits).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6	Hook is free of cracks, deformation, or excessive throat opening; safety latch operates.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
7	Load block, sheaves, and pins are intact; sheaves rotate freely without wobble.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
8	Hoist drum has at least 2 wraps remaining when hook is at lowest working position.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
9	Hydraulic system shows no leaks at pumps, hoses, cylinders, or swivels.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
10	Hydraulic fluid level is correct; system temperature gauge reads normal at idle.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
11	Outrigger pads, beams, and pins are intact; cribbing or mats are sized for ground bearing pressure.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
12	Outriggers fully extend, lock, and level the crane within manufacturer specifications.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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13	Engine, fuel, coolant, and lubrication levels are correct; no leaks under the carrier.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
14	Tires (rubber-tired cranes) or tracks (crawler cranes) show correct pressure or tension and no damage.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
15	All lights, horn, backup alarm, and swing alarm operate clearly when tested.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
16	Anti-two-block device, load moment indicator, and boom angle indicator function correctly.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
17	Boom hoist limit, swing brake, and travel brake hold the load and the crane firmly.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
18	Mirrors and cameras are clean and adjusted; operator has clear sightlines or a qualified signaler.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
19	Working radius and lift plan are reviewed; ground conditions confirmed adequate for the load.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
20	Power lines within the crane's operating zone have been identified; minimum clearance distances confirmed.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
21	Wind speed and weather are within the crane's operational limits per the manufacturer's chart.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
22	Rigging (slings, shackles, spreader bars) inspected and rated for the planned load.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
23	Tag lines or other load-control methods are ready before any lift begins.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
24	All ground personnel, signalers, and riggers have been briefed and are wearing required PPE.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
25	Inspection record is signed by the competent person and operator before the first lift of the shift.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

### CORRECTIVE ACTIONS TAKEN

Describe any issues found and steps taken to correct them.

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### INSPECTION SIGN-OFF

Inspector signature: \_\_\_\_\_ Supervisor signature: \_\_\_\_\_

Inspection result: [ ] All items passed [ ] Issues require follow-up