

Crane Pre-Operation Daily Inspection Checklist

Site / Project	_____	Address	_____
Inspector name	_____	Company	_____
Date	_____	Time	_____

Documentation aid only. Adapt this resource to the site, manufacturer instructions, and applicable local requirements. It does not replace a competent person, professional judgment, legal advice, or a required statutory form.

Jurisdiction: Adaptable. Covers OSHA 29 CFR 1910.179 (US overhead and gantry cranes) and UK HSE LOLER 1998. Adaptable to other jurisdictions with crane regulations. Apply only the section and thresholds for the governing jurisdiction; do not combine US and UK requirements as if they were one code.

Inspection checklist

Inspection header

Crane type (overhead / gantry / jib)

Crane ID / serial number

Operator / inspector name

Date and shift

Daily visual inspection

☐ Fluid systems: no deterioration or leakage in pneumatic / hydraulic lines, tanks, valves, drain pumps	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐ General condition: no loose, broken, or severely rusted parts on bridge, runway, hoist, or trolley	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐ Rated capacity markings: maximum rated load clearly painted or plated on crane structure and individual hoist blocks	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐ Work area: crane travel path of obstacles and personnel; warning devices / horns audible over ambient noise	☐ Pass	☐ Fail	☐ N/A	Notes: _____

Functional testing

☐	Motion controls: pendant or radio controls; buttons move smoothly, don't stick, return to neutral 'off' when released	☐	Pass	☐	Fail	☐	N/A	Notes: _____
☐	Brake testing: lift test load a few inches; load holds without drifting downward	☐	Pass	☐	Fail	☐	N/A	Notes: _____
☐	Upper limit switch: tried out under no load; block 'inched' into limit or run in at slow speed; switch operates properly	☐	Pass	☐	Fail	☐	N/A	Notes: _____

Wire ropes, chains, and below-the-hook devices

☐	Wire rope: entire visible length inspected for broken wires, severe kinking, bird-caging, twisting, diameter reduction; properly spooled in drum grooves	☐	Pass	☐	Fail	☐	N/A	Notes: _____
☐	Hoist chains: no distorted links, gouges, excessive wear, or stretching beyond manufacturer tolerances	☐	Pass	☐	Fail	☐	N/A	Notes: _____
☐	Slings and shackles: tags present on synthetic slings; no cuts, chemical burns, or melted fibers	☐	Pass	☐	Fail	☐	N/A	Notes: _____

Hook inspection

☐	Throat opening wear: "d 10 % of original dimension	☐	Pass	☐	Fail	☐	N/A	Notes: _____
☐	Hook twist: "d 10 degrees from original unbent plane	☐	Pass	☐	Fail	☐	N/A	Notes: _____
☐	Safety latch: present, not bent, springs closed	☐	Pass	☐	Fail	☐	N/A	Notes: _____
☐	Hardware: hook nut not loose; hook swivels freely	☐	Pass	☐	Fail	☐	N/A	Notes: _____

Defect action and recordkeeping

☐	Deficiency constitutes safety hazard: Yes / No	☐	Pass	☐	Fail	☐	N/A	Notes: _____
☐	Crane locked out and tagged out of service: Yes / No	☐	Pass	☐	Fail	☐	N/A	Notes: _____
☐	Appointed person / qualified technician notified	☐	Pass	☐	Fail	☐	N/A	Notes: _____
☐	Monthly inspection of hooks and hoist equipment: documented (signed, dated)	☐	Pass	☐	Fail	☐	N/A	Notes: _____
☐	Inspector signature	☐	Pass	☐	Fail	☐	N/A	Notes: _____

Findings

#	Item	Location	Severity	Action required
1				
2				
3				
4				
5				
6				
7				
8				

Signature

Inspector signature _____

Name _____

Date _____

References consulted

OSHA 29 CFR 1910.179 – Overhead and gantry cranes

UK HSE – LOLER 1998 (Lifting Operations and Lifting Equipment Regulations)

ASME B30.2 – Overhead and gantry cranes

OSHA 1910.179(n)(4)(i) – Upper limit switch testing

Verify the current edition and local adoption before use.