

EACH SHIFT CRANE INSPECTION REPORT

Operator _____ Date _____ Shift _____

Unit Inspected _____ Serial Number _____

Instructions: Each crane must be inspected by a competent person prior to each shift it will be used, and completed before or during that shift. This inspection consists of observations for apparent deficiencies.

For wire rope, the inspection must consist of observation of wire ropes (running and standing), that are likely to be in use during the shift, for apparent deficiencies. Untwisting (opening) of wire rope or booming down is not required as part of this inspection. Each lift made with a Type II or Type III rotation resistant wire rope must be inspected by a qualified person and recorded. See 19 and 20 below.

Indicate "S" for satisfactory, "U" for unsatisfactory, "N/A" for not applicable.

Mechanical	Critical review items
S U N/A	S U N/A
1. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Control mechanisms are operating properly	21. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Rotation resistant wire rope in use
2. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Control and drive mechanisms show no excessive wear or contamination	22. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Wire rope used for boom hoists and luffing hoists, particularly at reverse bends
3. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Air, hydraulic, and other pressurized lines are free of leaks or deterioration	23. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Wire rope at flange, crossover, and repetitive pickup points on drums
4. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Hydraulic system has proper fluid level	24. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Wire rope at or near terminal ends
5. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Hooks and latches are free of deformation, cracks, excessive wear, or damage	25. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Wire rope in contact with saddles, equalizer sheaves, or other sheaves where rope travel is limited
Wire Rope	Other Required Inspections
6. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Wire rope reeving complies with the manufacturer's specifications	26. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Electrical apparatus has no excessive deterioration, dirt, or moisture accumulation
Category I inspection criteria	27. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Tires properly inflated and in good condition
7. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Wire rope is free of significant distortion (i.e., kinking, crushing, unstranding, etc.)	28. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Ground conditions provide proper support (See note 3)
8. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Wire rope is free of significant corrosion	29. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Equipment is level within specified tolerances (See note 4)
9. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Wire rope has no electric arc or heat damage (from sources other than power lines)	30. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Operator cab windows are free of significant cracks, breaks, or other deficiencies
10. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Wire rope end connections are properly applied	31. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Rails, rail stops, rail clamps, and supporting surfaces in proper condition
11. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Wire rope end connections are free of significant corrosion, cracks, bends, or wear	<input type="checkbox"/> An Other Required Inspections item(s) is unsatisfactory and deemed a safety hazard. The equipment must be taken out of service until corrected.
<input type="checkbox"/> A Category I item(s) is unsatisfactory and deemed a safety hazard. The equipment or hoist has been tagged-out and one of the following actions were taken:	Safety Devices (See note 5)
<input type="checkbox"/> Entire wire rope was replaced	32. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Crane level indicator — equipped with and operating properly
<input type="checkbox"/> Damaged portion was removed (no splicing) (See note 1)	33. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Boom stops operating properly
Category II inspection criteria (See note 2)	34. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Jib stops operating properly
12. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Running wire ropes have acceptable number of visible broken wires	35. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Foot pedal brakes equipped with locks
13. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Rotation resistant ropes have acceptable number of visible broken wires	36. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Hydraulic outrigger and stabilizer jacks have integral holding device/check valve
14. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Pendants or standing wire ropes have acceptable number of visible broken wires	37. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Equipment on rails have rail clamps and rail stops
15. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Wire rope diameter reduction of no more than 5 percent	38. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Horn — equipped with and operating properly
<input type="checkbox"/> A Category II item(s) is unsatisfactory. The equipment or hoist has been tagged-out and one of the following actions were taken:	<input type="checkbox"/> A Safety Device(s) is unsatisfactory. The equipment has been tagged and taken out-of-service until device is working properly
<input type="checkbox"/> Followed manufacturer's criteria for removal	Operational Aids
<input type="checkbox"/> Entire wire rope was replaced	Category I inspection criteria
<input type="checkbox"/> Damaged portion was removed (no splicing) (See note 1)	39. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Boom hoist limiting device — equipped with and operating properly
Category III inspection criteria	40. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Luffing jib limiting device — equipped with and operating properly
16. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Rotation resistant wire rope has no core failure (core protrusion, other distortion)	41. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Anti two-blocking device — equipped with and operating properly
17. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Wire rope has no apparent electrical contact with a power line	<input type="checkbox"/> A Category I item(s) is unsatisfactory. The temporary alternative measures (See note 6) were implemented
18. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Wire rope has no broken strand	Category II inspection criteria
<input type="checkbox"/> A Category III item(s) is unsatisfactory. The equipment or hoist has been tagged-out and one of the following actions were taken:	42. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Boom angle or radius indicator readable from operator's station
<input type="checkbox"/> Entire wire rope was replaced	43. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Jib angle indicator operating properly
<input type="checkbox"/> Damaged portion was removed (no splicing) (See note 1)	44. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Telescopic boom equipped with boom length indicator
Note: Repair of power line damaged rope is prohibited	45. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Load weighing device, load moment indicator, or load moment limiter — equipped with and operating properly
19. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Number of lifts made by Type II rotation resistant rope _____	<input type="checkbox"/> A Category II item(s) is unsatisfactory. The temporary alternative measures (See note 7) were implemented
20. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Number of lifts made by Type III rotation resistant rope _____	

For equipment manufactured after November 8, 2011, see notes for additional inspection items.

Remarks: _____

Name of person conducting inspection: _____

Signature of person conducting inspection: _____

Date of inspection: _____