Wire Rope Inspection Checklist

SHIELD CERTIFICATES
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A monthly thorough-inspection template matching OSHA 1910.179's required certification record — date, inspector, rope identifier, and the specific conditions to check for.

Rope/Equipment ID: _____ **Date:** _____ **Inspector Signature:** _____

Required Certification Record (1910.179)

- ☐ Date of inspection
- ☐ Signature of the person who performed it
- ☐ Identifier for the specific rope inspected

Broken Wires — Overhead/Gantry Cranes (ASME B30.2)

- ☐ 12 or more randomly distributed broken wires in one rope lay — remove from service
- ☐ 4 or more broken wires in a single strand within one lay — remove from service
- ☐ Two or more valley breaks in one lay — remove from service regardless of total count

Other Removal Conditions

- ☐ Reduction of rope diameter below nominal (core loss, corrosion, or wire wear)
- ☐ Kinking, birdcaging, crushing, or other structural distortion
- ☐ Corroded, cracked, bent, or improperly applied end connections
- ☐ Heat damage from any source

Don't Forget

- ☐ A rope idle 1+ month needs a thorough inspection before returning to service
- ☐ A crane idle 6+ months needs a full periodic inspection, not just the monthly-level check
- ☐ When in doubt, a qualified person's judgment governs — these are minimums, not a substitute for experience

This checklist is a documentation aid and does not replace a qualified person's judgment or your equipment manufacturer's specific inspection requirements. © Shield Certificates — shieldcerts.com