

**WAC 296-24-24013 Rope inspection.** (1) **Running ropes.** You must perform a thorough inspection of all ropes in use at least once a month and keep a full written, dated, and signed report of rope condition on file where readily available. All inspections must be performed by an appointed or authorized person. You must carefully note any deterioration, resulting in appreciable loss of original strength, such as described below, and make a determination as to whether further use of the rope would constitute a safety hazard:

(a) Reduction of rope diameter below nominal diameter due to loss of core support, internal, or external corrosion or wear of outside wires.

(b) A number of broken outside wires and the degree of distribution of concentration of such broken wires.

(c) Worn outside wires.

(d) Corroded or broken wires at end connections.

(e) Corroded, cracked, bent, worn, or improperly applied end connections.

(f) Severe kinking, crushing, cutting, or unstranding.

(2) **Other ropes.**

(a) Heavy wear and/or broken wires may occur in sections in contact with equalizer sheaves or other sheaves where rope travel is limited, or with saddles. You must take particular care to inspect ropes at these locations.

(b) You must give a thorough inspection of all rope which has been idle for a period of a month or more due to shut down or storage of a crane on which it is installed before it is placed in service. This inspection must be for all types of deterioration and must be performed by an appointed or authorized person whose approval is required for further use of the rope. You must make a written and dated report of the rope condition available.

(c) You must take particular care in the inspection of nonrotating rope.

[Statutory Authority: RCW 49.17.010, 49.17.040, 49.17.050, and 49.17.060. WSR 15-24-100, § 296-24-24013, filed 12/1/15, effective 1/5/16; Order 73-5, § 296-24-24013, filed 5/9/73 and Order 73-4, § 296-24-24013, filed 5/7/73.]