

WAC 296-24-24007 Inspection classification. (1) **Regular inspection.** Inspection procedure for cranes in regular service is divided into two general classifications based upon the intervals at which inspection should be performed. The intervals in turn are dependent upon the nature of the critical components of the crane and the degree of their exposure to wear, deterioration, or malfunction. The two general classifications are herein designated as "frequent" and "periodic" with respective intervals between inspections as defined below:

(a) Frequent inspection: Daily to monthly intervals.

(b) Periodic inspection: One- to 12-month intervals, or as specifically recommended by the manufacturer.

(2) **Frequent inspection.** You must inspect items such as the following for defects at intervals as defined in subsection (1)(a) of this section or as specifically indicated including observation during operation for any defects which might appear between regular inspection. Any deficiencies such as listed must be carefully examined and determination made as to whether they constitute a safety hazard:

(a) All control mechanisms for maladjustment interfering with proper operation: Daily.

(b) All control mechanisms for excessive wear of components and contamination by lubricants or other foreign matter.

(c) All safety devices for malfunction.

(d) Deterioration or leakage in air or hydraulic systems: Daily.

(e) Crane hooks with deformations or cracks. For hooks with cracks or having more than 15% in excess of normal throat opening or more than 10° twist from the plane of the unbent hook.

(f) Rope reeving for noncompliance with manufacturer's recommendations.

(g) Electrical apparatus for malfunctioning, signs of excessive deterioration, dirt, and moisture accumulation.

(3) **Periodic inspection.** You must perform complete inspections of the crane at intervals as generally defined in subsection (1)(b) of this section depending upon its activity, severity of service, and environment, or as specifically indicated below. These inspections must include the requirements of subsection (2) of this section and in addition, items such as the following. You must carefully examine any deficiencies such as listed and determine whether they constitute a safety hazard:

(a) Deformed, cracked, or corroded members, in the crane structure and boom.

(b) Loose bolts or rivets.

(c) Cracked or worn sheaves and drums.

(d) Worn, cracked, or distorted parts such as pins, bearings, shafts, gears, rollers and locking devices.

(e) Excessive wear on brake and clutch system parts, linings, pawls, and ratchets.

(f) Load, boom angle, and other indicators over their full range, for any significant inaccuracies.

(g) Gasoline, diesel, electric, or other power plants for improper performance or noncompliance with safety requirements.

(h) Excessive wear of chain-drive sprockets and excessive chain stretch.

(i) Travel steering, braking, and locking devices, for malfunction.

(j) Excessively worn or damaged tires.

(4) **Cranes not in regular use.**

(a) A crane which has been idle for a period of one month or more, but less than 6 months, must be given an inspection conforming with requirements of subsection (2) of this section and WAC 296-24-24013 (2)(b) before placing in service.

(b) A crane which has been idle for a period of 6 months must be given a complete inspection conforming with requirements of subsection (2) and (3) of this section and WAC 296-24-24013 (2)(b) before placing in service.

(c) You must inspect standby cranes at least semi-annually in accordance with requirements of subsection (2) of this section and WAC 296-24-24013 (2)(b). Such cranes which are exposed to adverse environment should be inspected more frequently.

(5) **Inspection records.** You must make written, dated, and signed inspection reports and records monthly on critical items in use such as brakes, crane hooks, and ropes. You must keep records readily available.

[Statutory Authority: RCW 49.17.010, 49.17.040, 49.17.050, and 49.17.060. WSR 18-03-159, § 296-24-24007, filed 1/23/18, effective 2/23/18; WSR 15-24-100, § 296-24-24007, filed 12/1/15, effective 1/5/16; Order 73-5, § 296-24-24007, filed 5/9/73 and Order 73-4, § 296-24-24007, filed 5/7/73.]