

# Crawler Locomotive and Truck Crane Inspection Checklist

## CRAWLER LOCOMOTIVE & TRUCK CRANE INSPECTION CHECKLIST

This sample checklist from the North Carolina Department of Labor is designed to help you in developing programs tailored to your own operation. Please copy, expand, modify and customize this sample as needed.

This document is provided as a compliance aid but does not constitute a legal interpretation of safety legislation or standards, nor does it replace the need to be familiar with, and follow, actual safety legislation and standards.

### CRAWLER LOCOMOTIVE & TRUCK CRANE INSPECTION

Inspection Date: \_\_\_\_\_

Crane

Manufacturer: \_\_\_\_\_

Inspector Signature \_\_\_\_\_

Crane Serial

No: \_\_\_\_\_

Any deficiency shall be carefully examined, and determination made as to whether they constitute a safety hazard.

In addition to the inspection items listed all cranes must be inspected as specifically recommended by the manufacturer.

**Frequent inspection:** Daily to monthly depending upon usage.

Yes      No

\_\_\_\_      \_\_\_\_      Inspect all control mechanisms for maladjustment interfering with proper operation. Daily.

\_\_\_      \_\_\_      All control mechanisms for excessive wear of components and contamination by lubricants or other foreign matter.

\_\_\_\_      \_\_\_\_      All safety devices for malfunction.

\_\_\_ \_\_\_ Deterioration or leakage in air or hydraulic systems, daily.

\_\_\_ \_\_\_ Crane hooks for deformations or cracks.

\_\_\_ \_\_\_ Rope reeving for non-compliance with manufacturer recommendations?

\_\_\_ \_\_\_ Electrical apparatus for malfunction, signs of excessive deterioration, dirt and moisture accumulation.

**Periodic inspections:** 1-12-month intervals depending on usage or as recommended by the manufacturer.

**Yes No**

\_\_\_ \_\_\_ Deformed, cracked or corroded members in the crane structure and boom.

\_\_\_ \_\_\_ Loose bolts or rivets.

\_\_\_ \_\_\_ Cracked or worn sheaves and drums.

\_\_\_ \_\_\_ Worn, cracked or distorted parts such as pins, bearings, shafts, gears, rollers and locking devices.

\_\_\_ \_\_\_ Excessive wear on brake and clutch parts, linings, pawls and ratchets.

\_\_\_ \_\_\_ Load boom angle and other indicators over their full range, for any significant inaccuracies.

\_\_\_ \_\_\_ Gasoline, diesel, electric or other power plants for improper performance or non-compliance with safety requirements.

\_\_\_ \_\_\_ Excessive wear of chain drive sprockets and excessive chain stretch.

\_\_\_ \_\_\_ Travel steering, braking or locking devices for malfunction.

\_\_\_ \_\_\_ Excessively worn or damaged tires.

\_\_\_ \_\_\_ After adjustments and repairs have been made, the crane shall not be operated until all guards have been reinstalled

safety devices reactivated, and maintenance equipment removed.

\_\_\_ \_\_\_ Rope inspection: Running ropes-thorough inspections of all ropes shall be made at least monthly by an authorized person. Look for reduction of rope diameter, internal or external corrosion, cracked, bent, worn or improperly

spliced end connections, severe kinking, crushing, cutting or un-stranding.

\_\_\_      \_\_\_      The crane is level and blocks properly in use.

\_\_\_      \_\_\_      Fire extinguisher in cab or near vicinity.

\_\_\_      \_\_\_      Only designated personnel permitted to operate crane.

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