



AMERICAN & OHIO LOCOMOTIVE CRANE CO. INC.

**811 Hopley Avenue
P.O. Box 511
Bucyrus, Ohio 44820**

800-993-6446 ~ 419-562-6010 ~ Fax: 419-562-2565 ~ www.aolcrane.com

OEM Product Support Bulletin

No. 40

DATE: September 17, 2013 (revision date)

SUBJECT: **BOOM & RIGGING INSPECTION CHECKLIST**

RATING:

| | |
|---|---|
| <input type="checkbox"/> DIRECTIVE (Action is required) | <input type="checkbox"/> ALERT (Safety Issue) |
| <input checked="" type="checkbox"/> INFORMATION | <input type="checkbox"/> PRODUCT IMPROVEMENT (Enhanced Product) |

Machine Model (s): All American & Ohio Locomotive Cranes

Serial Numbers: All

Summary: Minimum Boom & Rigging Inspection List

Operational Impact:

- Daily visual inspection list
- Monthly visual inspection list.
- Lists to follow only indicates the minimal items that need to be checked.

A DAILY VISUAL INSPECTION CONSISTS OF THE FOLLOWING

INTL.

Check to see that both boom foot pins are properly secure with keeper bolts or pins. _____

Visually check to see that all boom splice bolts are in place. _____

Insure that working lines are properly reeved from the boom point sheaves to the hoist drum lagging. _____

Inspect all wire rope daily, looking for signs of corrosion, wear, kinking, crushing and unstranding, or other damage. _____

Insure that all rope guards are in place with the working lines in the proper position. _____

Visually inspect the boom hoist suspension rope, boom support pendants, bail assemblies, equalizer bridle and dead end hardware. _____

Visually inspect the boom hoist rope fleetings sheaves (if so equipped), guide sheaves, guards and rope for proper spooling on drums. _____

Visually inspect the outer shape of the boom chords. There should be no bends, kinks, or bows in the profile of the boom chords. Inspect from both sides of the crane from different angles and distances. Stand at the boom foot pin area and look toward the boom point and from the tip looking towards the boom foot.. Both lower chord angles should appear the same, symmetrically shaped all the way to the boom tip. _____

Visually check to see that all lacings are in place. Any missing, bent, or kinked lacings would require further inspection at this point. _____

A WEEKLY VISUAL INSPECTION CONSISTS OF THE FOLLOWING

**This inspection checklist is in addition to the daily inspection checklist.
Perform this with the boom lowered to the ground on proper blocking**

INTL.

Inspect the boom point sheaves and bushings for excessive wear. Lubricate as directed in the operator's manual. _____

Check the upper boom sheaves guards for proper fit with the outside of the points sheaves. Make sure all fasteners are in place. _____

Check boom point weldment at sheave axles for cracks and/or excessive wear. _____

Inspect the dead end connection, wedge socket and retaining pins for wear, cracks or any deformation. _____

Walk the entire boom from both sides. Visually inspect each main chord angle. Look at each weld where the lacings are connected to the chords. Note any cracks or wear marks at the welds, on the lacings or chord angles. Note any missing or damaged lacings. Note any deformation of any sort.....Sometimes flaking will be the only clue. _____

Inspect each of the boom splices connections. Refer to the operator's manual for proper torque value. _____

Inspect the bottom side of the boom chords in the "Open Throat" section for damages or distortion. _____

Inspect the inner and outer bail sheaves, equalizer bars, pins and bushings for wear or deformation. _____

Inspect the boom foot pins, bushings, pin bosses, mounts and retainer pins for excessive wear or deformation. _____

Inspect the gantry, backlegs, counterweight support ears and bail arms (if so equipped) for cracks or deformation. _____

Insure all retaining pins for the counterweight and backlegs are properly secured. Check counterweight jack screws (if so equipped) for tightness. _____