



AMERICAN & OHIO LOCOMOTIVE CRANE CO.

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

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

OEM Product Support Bulletin

No. 31

DATE: February 24, 2009 (revision date)

SUBJECT: CLUTCH & BRAKE BAND MAINTENANCE

RATING: **DIRECTIVE** (Action is required) **ALERT** (Potential Problem)
 INFORMATION **PRODUCT IMPROVEMENT** (Enhance Product)

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

Serial Numbers: n/a

Summary: Inspection of Clutch & Brake Bands

Operational Impact:

General:

- The following information does not give the specific adjustment needed for a particular brake or clutch but rather general information which applies to all brakes and clutches.

Replacing Linings:

- Brake and clutch lining should be examined periodically for wear. Replace them before they become thin enough to permit the rivets to score the drum.
- All brake and clutch linings should be ordered from the American & Ohio Locomotive Crane Co. to insure the correct type and grade for satisfactory operation.

Replacing Linings: (con't)

- After replacing the lining and during reinstallation of bands, care should be taken in centering the band assembly on the brake or clutch surface.
- Many brakes and clutches have washers that can be positioned on both sides of the band ends for centering. This may not be applicable to all cranes.

“Out of Round Bands”:

- After replacing the band(s) it must be checked for “Out-of-Round”.
- If the band has a “high spot”, it should be carefully hammered back into shape to secure good contact at all points.
- Always set the brake or clutch before hammering the band.
- On bands with block linings, hammer between the block, not on top of them. When a band has a low spot. Do not use a spoon!
- Use a “spoon” (shown in the illustration) and follow the procedure shown.

CAUTION

This tool cannot be used with molded (block) brake lining. It should only be used on woven brake bands, where the brake band is continuous around the drum.

1. Tap the spoon between the drum and the unset brake or clutch lining.
2. Set the brake or clutch.
3. Remove the spoon and if necessary, carefully hammer down the high spot.

