Abex CORPORATION

AMERICAN BRAKEBLOK DIVISION

HEAVY DUTY SERVICE BULLETIN

BULLETIN NO. 5

NEVER SHIM LININGS - THEY INTRODUCE PROBLEMS

Always use the proper oversize lining instead of shimming. The customer gains additional life because of more wearable material above the rivet or bolt head. The proper fit of the lining to the shoe table and to the drum is assured because both radii of the lining have been properly ground.

When the lining is shimmed, a tight installation is never possible. Either the lining cracks in mounting or in service. This is caused by stress areas set up when the hole centers in both the shoe and lining are not in proper alignment on account of the shim.

The shoe table must be checked to be sure it is accurate. Preparation of the shoe table for lining installation is most important. All rust and other foreign matter should be removed and the table cleaned to the metal. A radius check of the shoe is advisable to isolate a sprung shoe. A measurement check between the centers of the anchor pin hole and cam roller would suffice in the absence of a jig or fixture.

Brake noise is often traced to linings that have been shimmed because the stress areas are prone to introduce vibration. This results from the fact that the pressure between the lining and shoe during brake application is not uniformly distributed.

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