babcock & wilcox power generation group

Plant Service Bulletin

MPS Roll Wheel Assembly Pivot Block Orientation

Purpose

This bulletin advises owners and operators of a potential problem with incorrectly installed roll wheel pivot blocks.

Problem

Pivot blocks, located in the roll wheel assembly brackets, may be oriented incorrectly. If one of these roll wheel assemblies (with an incorrectly oriented pivot block) is installed in a pulverizer, improper alignment of the pivot blocks in the pressure frame and roll wheel assembly may result in severe vibration — particularly at low pulverizer loads. Failure to detect this problem until the pressure frame is lowered into place will result in the inconvenience of having to raise the pressure frame again, remove the roll wheel pivot blocks, and reinstall them correctly.

Recommendations

Figure 1 shows the proper orientation of the roll wheel pivot block. The normal standard is to install the wide side of the block towards the bracket side of the roll wheel assembly, or towards the outside of the mill. Any deviation from this standard must be approved by Babcock & Wilcox Pulverizer Design Engineering.

Support

If any problems are encountered, contact Babcock & Wilcox Field Service Engineering for further information or assistance.

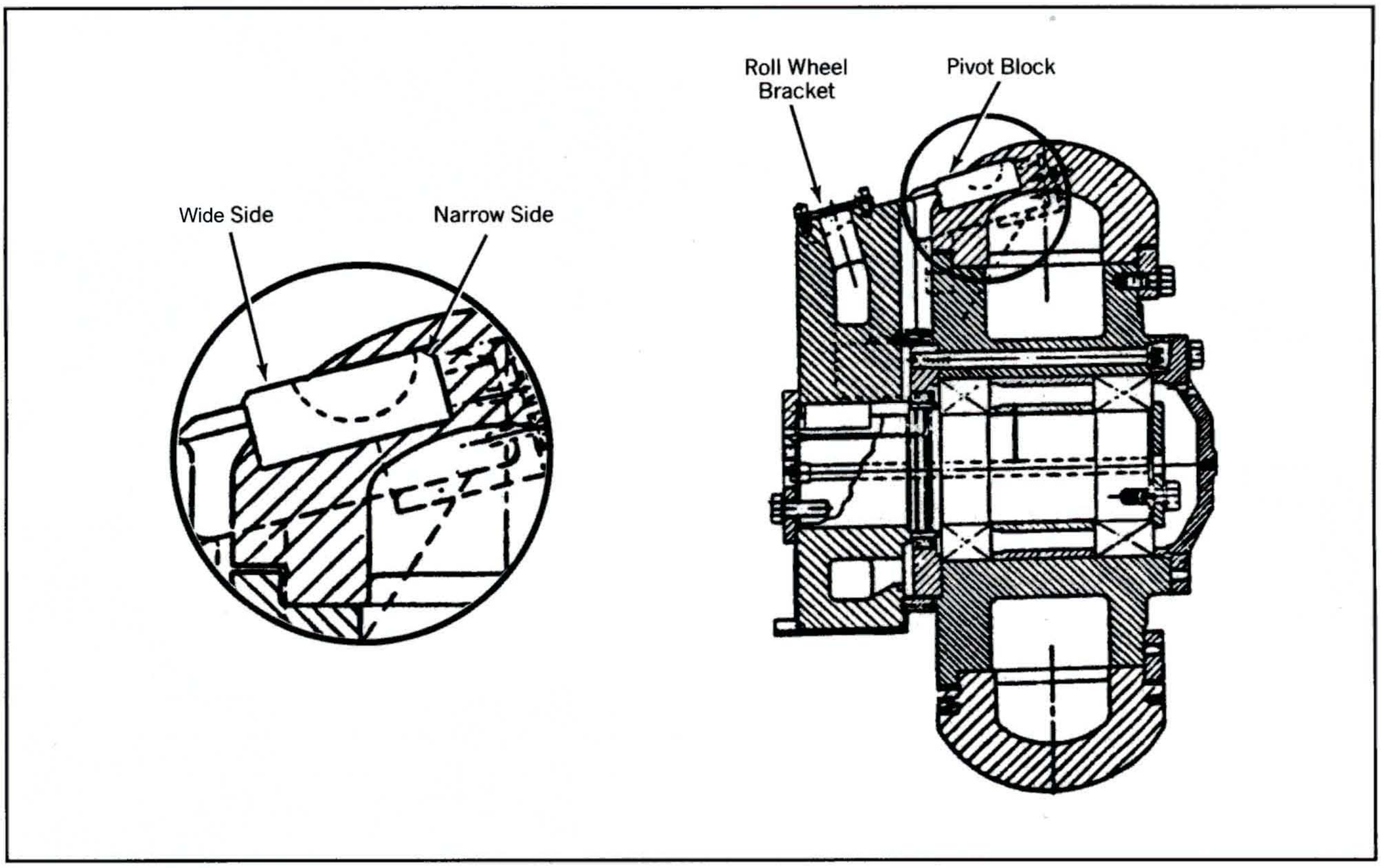

Figure 1 *Proper orientation of the pivot block inside the MPS roll wheel assembly.*

For more information in the U.S.A., call 1-800-BABCOCK (222-2625). Outside the U.S.A., call (216) 753-4511 or fax (216) 860-1886 (Barberton, Ohio, U.S.A.). Or contact your nearest B&W sales or service office worldwide.

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