

Technical Bulletin

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Subject: Performance Issues with Non-approved Air Disc Brake Pads

This bulletin is to inform Bendix® air disc brake customers that SAF-Holland SAF 577 air disc brake replacement pads, are not approved for use in the Bendix® ADB22X™ air disc brake. The use of non-approved pads voids the 5-year ADB22X air disc brake warranty.

The SAF 577 pad is designed and registered for European use in the SAF-Holland brake, while the Bendix ADB22X pad is designed for North American use. Since the SAF 577 pad is not designed for the ADB22X brake, Bendix cannot ensure that this pad will perform to acceptable standards in regard to hot runner performance, pad wear, impact on the rotor, corrosion resistance, parking and stopping distance.

Potential issues with the friction material include:

- Excessive swell/growth leading to potential overheated wheel end;
- Fade leading to potential loss of braking; and/or
- Low static CoF leading to potential rolling during parking.

In addition to potential performance issues and negative impact to brake components, the use of a pad that is not registered in North America creates an exposure to CVSA fines.

Product Comparison:

- Pad spring stiffness: The SAF 577 pad spring stiffness is significantly lower than the blue spring pads for the Bendix ADB22X pad. Consequently, the SAF 577 pad is more susceptible to “chunking” on less forgiving roads, leading to loss of friction material.
- Torque rating: The ADB22X pad is rated up to 24kNm of torque while the SAF 577 pad is only rated to 18.8kNm of torque. At higher torque applications the SAF 577 pad is prone to fatigue.
- Retainer bar: The retainer bar in the Knorr-Bremse SK-7™ brake has a lower arc than the ADB22X bar. If the SK-7 retainer bar is used in the ADB22X brake, the pads are loaded at an undesirable angle which can lead to pad kick, uneven wear, and unpredictable vibration behavior.
- Backing plate: The SAF 577 pad and backing plate are not designed for use on the ADB22X brake and may result in backing plate and brake failure.

