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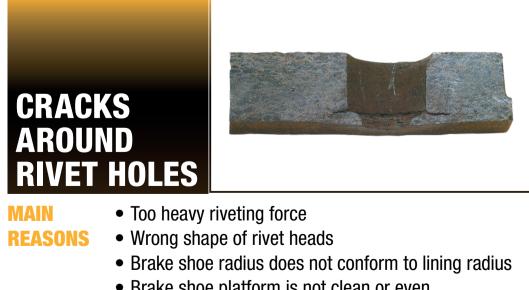
CV TROUBLE TRACER - LININGS

LINING SURFA TAPER	CE
MAIN Reasons	 Brake shoes misaligned with the brake drum Distorted brake shoe or brake drum turned on taper
POSSIBLE EFFECTS	 The linings may lock on to the drum when braking from high speeds Vehicle pull and excessive brake noise may occur
SOLUTION	Replace or grind/machine drum. Replace brake shoe anchor pins or parts that locate brake shoes

DEEP IRREGI CIRCUI FEREN GROOV	M- TIAL	
MAIN Reasons	• •	icles loose in the brake drum condition and maintenance
POSSIBLE EFFECTS	Very highSqueal	lining and drum wear
SOLUTION	Avoid contan drum as app	nination. Replace linings and grind or replace ropriate.



REASONS	 Insufficient drum cleaning at replacement
POSSIBLE EFFECTS	Very high lining and drum wearSqueal
SOLUTION	Replace linings and avoid brake operation in dusty environment. Grind or replace drum as appropriate



	 Brake shoe platform is not clean or even
POSSIBLE EFFECTS	 Lining and drum breakage Brake over-heating Noise
SOLUTION	Replace linings, and avoid excessive pressure during riveting operations

STEPS THE LI SURFA	NING	
MAIN REASONS	There mayGeneral di	v be a step in the brake drum si rum wear
POSSIBLE EFFECTS		ng wear r pattern differs across the axle sive noise can result

SOLUTION Grind/Machine drum surface or renew (a drum grind may incur oversize lining fitment)

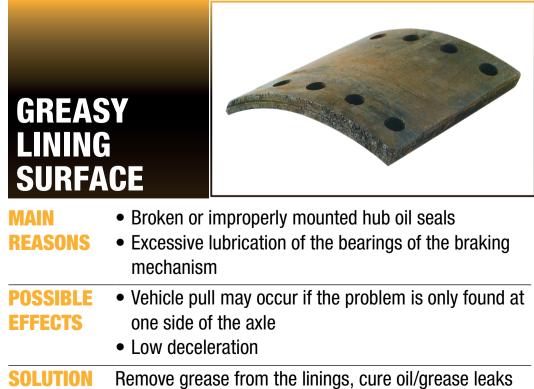


SOLUTION Replace linings, replace wheel bearing and replace or grind drum as appropriate



REASONS	
POSSIBLE	Rapid lining wear
EFFECTS	• If linings not 100% bedded-in, low brake
	can result

Replace linings and avoid overheating brakes SOLUTION





surface

, vehicle pull

e efficiency



rease leaks

DIRT ON

SURFACE

MAIN

REASO

THE LINING

• Dirt particles in the brake

 Poor drum condition MAIN

CIRCUM

FERENTI*I*

GROOVES

LARGE

N LINING

SURFACE

MAIN

REASC

REASONS	 Improper preparation with a wire brush, shoe grinder
	or similar

POSSIBLE	 Vehicle pull may occur if there is a different wear
EFFECTS	pattern on the opposite axle end
	 Insufficient deceleration and excessive noise

SOLUTIO Replace linings and grind or replace drum as appropriate



springs)

	 Faults in brake mechanism
DNS	Sticking brake shoes (weak return

- Excessive use of brakes at high speed
- Overloaded vehicle
- Too large air chambers
- POSSIBLE High lining wear EFFECTS • Vehicle pull and excessive brake noise
 - Disintegration of lining
 - Low deceleration
- SOLUTION Replace linings, avoid overworking brakes and ensure brake components are correct and are in good condition

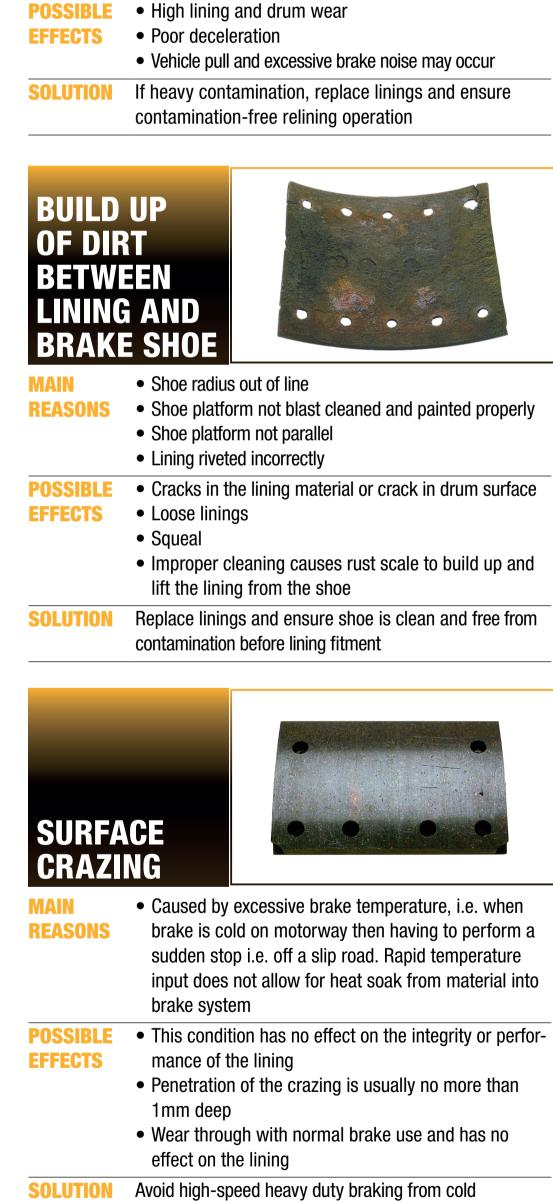


LINING SURFACE

- MAIN REASONS
 - Sticking brake shoes (weak return springs) • Excessive use of brakes from high speed

Faults in brake mechanism

- Wrong brake cylinders/air chambers or levers
- Overloaded vehicle
- Incorrect brake proportioning between tractor/trailer units
- High lining wear POSSIBLE Vehicle pull and excessive brake noise EFFECTS Deceleration too low
- **SOLUTION** Replace linings, avoid overworking brakes and ensure brake components are correct and are in good condition





• Poor brake maintenance (insufficient cleaning)

POOR BEDDI 1	NG-II
MAIN	• Lining
REASONS	 Beddi
 POSSIBLE	 Vehicl

EFFECTS



MAIN Reasons	 Lining radius is larger than actual drum diameter Bedding-in period for the lining was too short
POSSIBLE EFFECTS	 Vehicle pull and excessive brake noise may occur Low deceleration
SOLUTION	Replace linings and ensure the correct lining radius to drum diameter is selected, or extend bed-

ding-in period

POOR BEDDI 2	NG-IN
MAIN REASONS	 Drum diameter is larger than lining radius Bedding-in period for the lining was too short Drum wear
POSSIBLE EFFECTS	 If the wear pattern differs across the axle, vehicle pull can result; also excessive brake noise Low deceleration
SOLUTION	Replace linings and ensure the correct lining radius to drum diameter is selected, or extend bed- ding-in period

POOR **BEDDING-IN** 3 MAIN • Bedding-in period for the lining was too short **REASONS** • Drum wear **POSSIBLE** • Either low or very high deceleration, with high

> deceleration the linings may lock on to the drum • If the wear pattern differs across the axle, vehicle pull and excessive noise can result

SOLUTION Replace linings and ensure the correct lining radius to drum diameter is selected, or extend bedding-in period

