

## Railcar dumper trunnion wheel

# Effective maintenance practices checklist

It's good practice to set up a monthly inspection routine for your trunnions

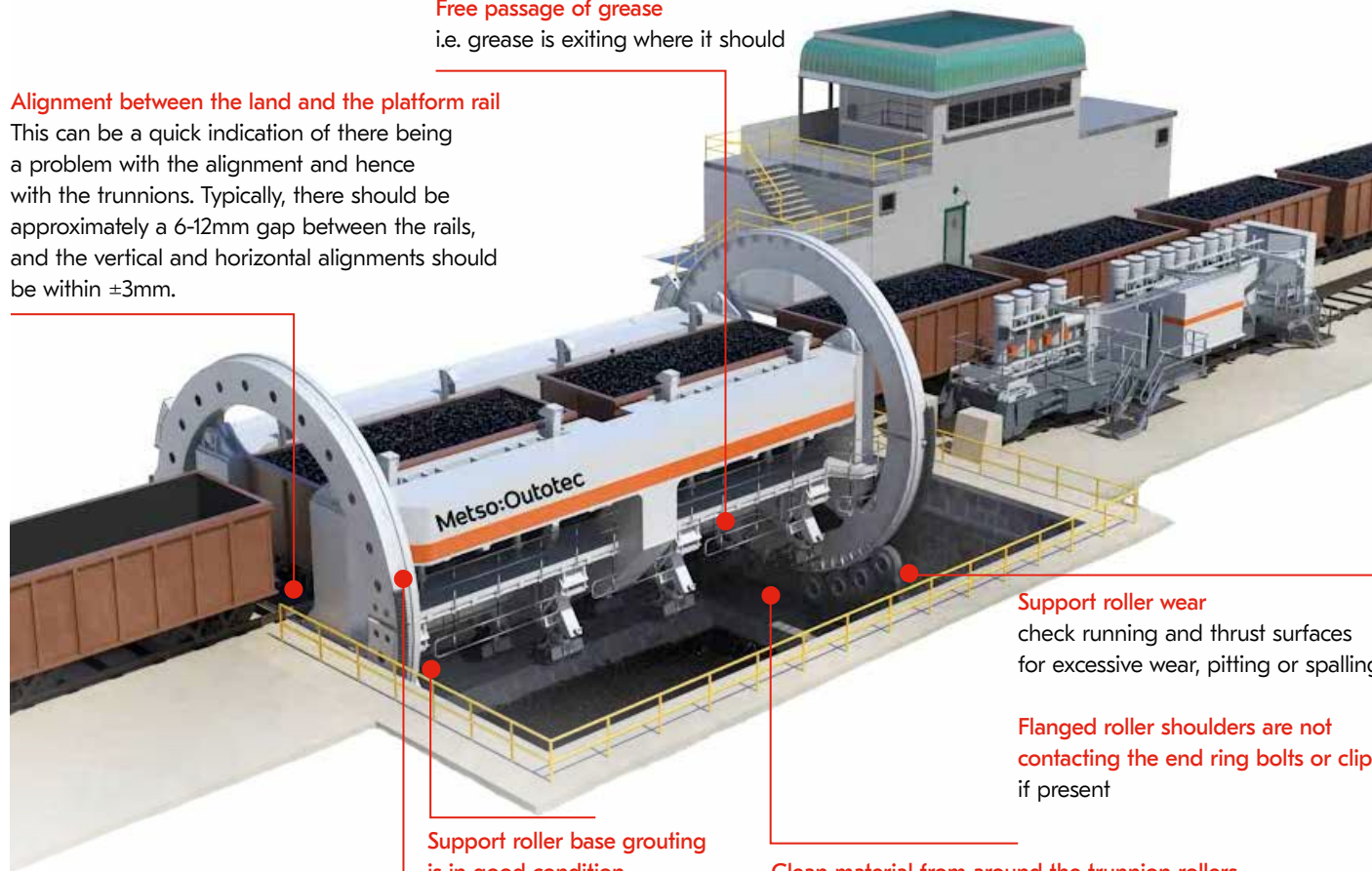
Look for the following:

**Rollers are getting enough grease**  
whether automatic or manual

**Free passage of grease**  
i.e. grease is exiting where it should

### Alignment between the land and the platform rail

This can be a quick indication of there being a problem with the alignment and hence with the trunnions. Typically, there should be approximately a 6-12mm gap between the rails, and the vertical and horizontal alignments should be within  $\pm 3\text{mm}$ .



**Check the end ring for flat spots, distortion, spalling or damage**  
If present, this will likely lead to your trunnions getting damaged

**Support roller base grouting is in good condition**  
if present, i.e. no cracks or evidence of the baseplate moving

**Support roller wear**  
check running and thrust surfaces for excessive wear, pitting or spalling

**Flanged roller shoulders are not contacting the end ring bolts or clips**  
if present

### Clean material from around the trunnion rollers

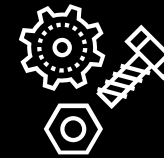
Too much material buildup can prevent the trunnion from pivoting and therefore evenly distributing the load. Running the trunnions in a bed of material can also lead to premature wear and failure of the bearings.



Stay on top of your railcar dumper's performance by following these simple suggestions.



Rotate the car dumper and listen for any unusual noises or vibrations



Inspect the mounting bolts to confirm they are tight



Make sure the lubrication system is working properly, purge if necessary



Check the platform rail for any flattening or damage to the rail