

No: NRS\_ 322 Issue 2

## Network Rail Safety Bulletin- Update Thwaites Personnel Carrier Runaway

For the attention of all owners and users of GOS (Philmor) converted Rexquote (Thwaites) Personnel Carriers and Rexquote (Thwaites) 5ton, 6ton and 8ton dumper variants.

This bulletin updates the previous bulletin NRS\_322.

### Background

Whilst off tracking at a worksite, a Thwaites personnel carrier ran away approximately 45 metres and collided with a trailer attached to the back of another road rail vehicle lower down the gradient. There were no injuries as a result of the incident, but the personnel carrier and trailer did sustain minor damage.

Note: the GOS (Philmor) converted Rexquote (Thwaites) personnel carrier is based on the Rexquote (Thwaites) 5ton dumper, fitted with the same rail axles as the 6ton and 8ton dumper variants.

### Investigation

The investigation into the incident has found multiple factors that can affect the base vehicle park brake performance on a gradient whilst on/off tracking, making this type of machine at a particularly high risk of a runaway. A major contributing factor is the lack of interference between the road wheel and rail wheel (squash), which is not adjustable on this machine type.

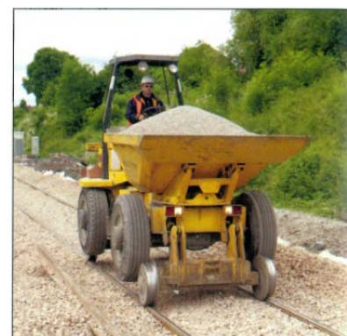
### Immediate Action Required by Users

The following machine types are prohibited from use until a Network Rail approved Direct Rail Wheel Braking system is fitted;

- GOS (Philmor) Rexquote (Thwaites) personnel carrier
- Rexquote (Thwaites) 5ton swivel skip dumper
- Rexquote (Thwaites) 6ton swivel skip dumper
- Rexquote (Thwaites) 8ton swivel skip dumper



Example of GOS (Philmor) converted  
Rexquote (Thwaites) personnel carrier



Example of Rexquote (Thwaites)  
5ton swivel skip dumper