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# ALERT CODE AMBER

## Colmar T10000FS Overcoming Road Wheel Parking Brake

Derived from: NIR 3569

### Overview

TXM Colmar T10000FS overcame its parking brake when parked (stabled) on and in line with a 12° gradient (approximately) and facing perpendicular to the track.

The noise of the machine's uncontrolled movement alerted a nearby track worker who was able to chock the wheels with rail off-cuts and bricks to prevent further movement.

The machine's road wheels were not chocked to prevent the machine rolling down the gradient. Subsequent examination of the machine revealed the parking brake (transmission drum brake) was contaminated with oil. A leaking hydraulic valve block above the parking brake was identified as the cause reducing significantly its ability to hold the machine on the gradient it was parked. Access point/yard conditions and congestion meant that this machine was parked facing down the gradient perpendicular to the track, the operator unaware at the time of the contaminated parking brake. The operator took precautions by digging the log grab attachment into the ground to restrict potential movement this was not however fully successful and the machine moved after the operator had departed.



### Action to take

#### Babcock

- Storage locations to be prepared to ensure machines can be left safely trackside.
- Machines to be parked parallel to the track across a gradient, not facing down a gradient perpendicular to the track
- MC/CC/POS Reps to check with machine operator gradient capability for the machines stored at access points and ensure they are not a risk to adjacent lines.

#### Owner/Operator/Manufacturer

- Check the efficiency of the parking brake for the road wheels. Pull testing on road wheels will establish if this can be met.
- Examination of parking drum brake for wear/contamination where the above cannot be met.
- Colmar to issue technical/service bulletin to detail service and adjustment of the parking brake assembly as this is currently not included within the maintenance manual.
- Operators to issue briefings to their staff on correct parking protocols for plant, parking brake braking limitations and to challenge inappropriate conditions.
- Equipping (wheeled) machines with wheel chocks, Colmar Manual requires 'blocks on the wheels, if necessary'.
- Investigation into potential latching modification of the footbrake when a vehicle is left unattended to engage all 4 disc brakes as well as the parking transmission brake.

### Find out more

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