

Unsolicited brake application of Sabwaco C3W

Raised By:	Michal Kowalski (Technical Director), Touax Rail
Defect Date:	26 August 2020 23:15
Vehicle Type:	Vehicle (Locomotive, Coach, EMU, DMU, Wagon etc.)
Vehicle Number:	GERS 89005
Vehicle Class:	TEA
Vehicle Hirer:	Touax Rail Ltd
Vehicle Sub Hirer:	n/a
Vehicle Owner:	Touax Rail Ltd
Vehicle Use:	Transporting freight / materials
Restrictions Applied:	* Immediate safety check of TEA fleet to check for mechanical security and a check for air loss on relay valve connection using soapy water when charged with air. * Fitting of C3W relay valve acc. to 01031-E01TLF "Instruction for the mounting of the VCAV Relay Valve" issued by Wabtec Faiveley on 17.12.2020
Defect Systems:	Brakes / WSP / Adhesion / Lubrication
OEM Part Number:	n/a
Vehicles Affected:	TEA (Wagon)
Defect Description:	<ul style="list-style-type: none">• Vehicle type – TEA tank wagons fitted with Sabwabco C3W distributors and associated relay valve(s).• In service a wagon had an unsolicited brake application. At point work the wheelset became derailed with serious consequence.• Strip down of the brake equipment revealed that the relay valve was loose; two small O rings were displaced and one had migrated and wedged between two larger ports, possibly creating a pathway for air give an unsolicited brake application.• An immediate safety check of TEA fleet is underway to check for mechanical security and a check for air loss on relay valve connection using soapy water when charged with air.• The incident is being investigated by RAIB and we await their conclusion.• Wabtec Faiveley issued 01031-E01TLF "Instruction for the mounting of the VCAV Relay Valve" on 17.12.2020 to address the subject
Geo Location:	Llangennech
Action Taken:	* Immediate safety check of TEA fleet to check for mechanical security and a check for air loss on relay valve connection using soapy water when charged with air. * Implementation by ECMs of 01031-E01TLF "Instruction for the mounting of the VCAV Relay Valve" issued by Wabtec Faiveley on 17.12.2020. Revision A00 has been uploaded to NIR 3707 file. It will not be updated here. For most recent version please contact Wabtec Faiveley: Moore, Richard
Justification For Advice:	Not yet known root cause of loosening the connection.
For Information:	Currently open for Touax Rail
Notified:	16/02/2021 12:37
Acknowledged:	n/a
Last Review:	16/02/2021 12:37 ()
Status:	Awaiting Acknowledgement