

Other Topics

Air Reservoir Tank fixation issue 8D#223232

Fleet wise check has started based on the procedure received. 10 trains contained so far. RCA ongoing

Steps to follow & check:

1. RE-TIGHTEN SCREWS AND APPLY TORQUE 25 Nm.
2. MEASURE CURRENT DISTANCE FROM AIRTANK TO CONNECTION PIPE (DIMENSION 210 ± 2 mm).
3. MARK 10 mm INDICATION ON ALL PIPES CONNECTED DIRECTLY TO THE TANKS (USE PERMANENT MARKER) FOR MONITORING.


8D Report #223232

Project : United Arab Emirates - Dubai Metro Route 2020
Platform : Turnkey Systems
Customer :
Supplier :

Awareness date : 20/10/2021
Opening date : 21/10/2021
Update date : 29/11/2021
Closing date : //
Step : 3/8

Title :	Air Reservoir Tank fixation issue
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D1	Description
	Created by MOJ Adam on 2021-10-21
What, Where, How detected	Fixation bands found loosen with potential transversal misplacement of the tank
Why is it a problem	Potential issue with tank fixation / location
How Many	2 tanks confirmed
Objective to be reached	
Impacted Product (PBS)	1. Trainset/Vehicles 1.Q. Pneumatic/Hydraulic Equipment 1.Q.A. Pneumatic/Hydraulic Equipment
FBS	

 <p>Picture showing the problem</p>	
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D2	Stakeholders		
Team leader	MOJ Adam	Safety leader	
Distribution List	GUARINO Francesco (francesco.guarino@alstomgroup.com) / NASEER Amjad (amjad.naseer@alstomgroup.com) / TENSA Georges (georges.tensa@alstomgroup.com) / DACHOWSKA Halina (halina.dachowska@transport.alstom.com) / GNIDA Leszek (leszek.gnida@transport.alstom.com) / JERRY KLINTON (jerry.klinton-s-e@alstomgroup.com) / MAIZIERES Vincent (vincent.maizieres@alstomgroup.com) / MILOT Nathan (nathan.milot@alstomgroup.com) /		
Region Site Solving	Europe	Region Projet	Africa Middle-East and Central Asia
Reporting Unit in charge solving the issue	TRA Katowice PL	Reporting Unit in charge of integration	

D3	Problem characterization		
Provisional cost > 100K		OTP reference	
Kx classification	K4 Out of revenue service		

D4	Containment
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Start Date (D4-KPI)	Two main actions: 1. re-tighten the screw for nominal 25 Nm, 2. apply additional visual marking for detect potential tank displacement
Target start Date	2021-10-24
Start Date (D4-KPI)	2021-11-01
End of deployment	
Progress / result / next steps for deployment	<p><i>Update by JERRY KLINTON on 2021-11-07T00:00:00</i></p> <p>07/11/2021: Fleet wise check has started based on the procedure received. 10 trains contained so far. Steps to follow & check: 1. RE-TIGHTEN SCREWS AND APPLY TORQUE 25 Nm. 2. MEASURE CURRENT DISTANCE FROM AIRTANK TO CONNECTION PIPE (DIMENSION 210±2 mm). 3. MARK 10 mm INDICATION ON ALL PIPES CONNECTED DIRECTLY TO THE TANKS (USE PERMANENT MARKER) FOR MONITORING. 21-10: instruction prepared</p>

List of actions

No	Actions (what?)	Resp. action (who?)	Due date (when?)	Date of completion
1260059	Provide instruction for re-tightening process	GNIDA Leszek	2021-10-21	2021-10-21
1260060	Launch re-tightening + visual marking	JERRY KLINTON	2021-12-15	0000-00-00
1260106	Verify maintenance requirements for the point	MOJ Adam	2021-11-26	0000-00-00

D5	Root causes
Progress / result / next steps for deployment	<i>Update by on</i>
Root causes Occurrence	
Root causes Non Detection	

List of actions to deploy the corrective solutions

No	Actions (what?)	Resp. action (who?)	Due date (when?)	Date of completion
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D6	Solution
What does the solution consist of?	
Mod reference	
Target start Date	
Start Date (D6-KPI)	
% done	0% on

List of actions to deploy corrective solutions

No	Actions (what?)	Resp. action (who?)	Due date (when?)	Date of completion
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D7	Rex
List of recommendations	<i>Update by on</i>
Plateform concerned by Rex	
Metiers concerned by Rex	

Impacted projects have been notified ?				
List of actions to engrave the lessons learn				
No	Actions (what?)	Resp. action (who?)	Due date (when?)	Date of completion


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Air tank support issue

Adam MOJ

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• mobility by nature •

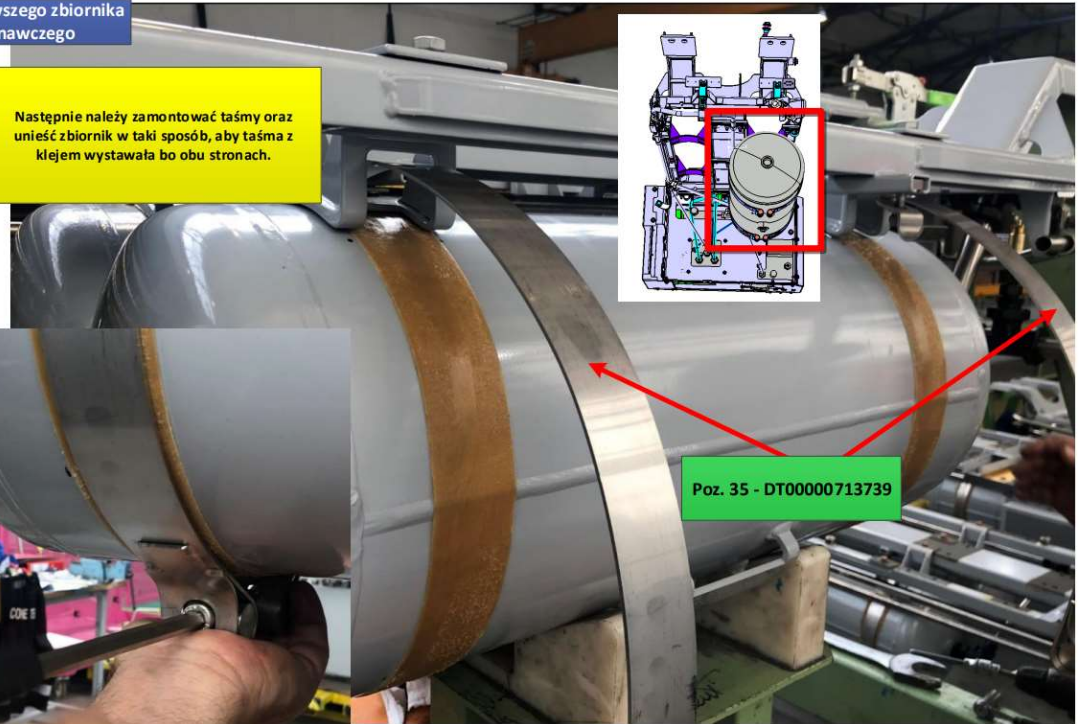
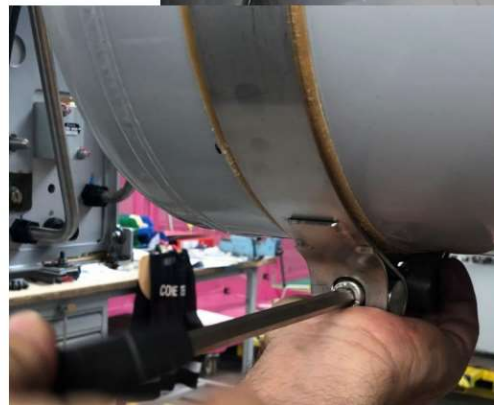
Process definition



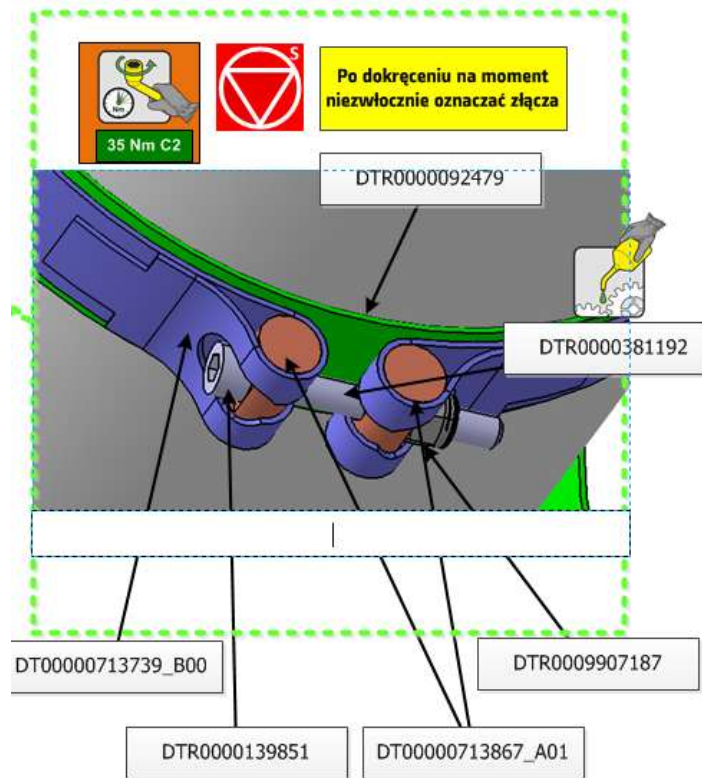
60 Montaż pierwszego zbiornika wyrównawczego



Następnie należy zamontować taśmy oraz unieść zbiornik w taki sposób, aby taśma z klejem wystawała po obu stronach.



Metro Riyadh



- CP C2 – Safety on Metro Riyadh
- 35 Nm for Metro Riyadh (8.8 screw)
- 25 Nm for Metro Dubai (A2 screw)
- After issue detected on 1st trains:

After internal review, it appears that this particular connection is usually not in CP C2 / Safety, but in CP D.

It is coherent with the fact that the densoflex prevent to have a good tightening in time being.

Issue: connection getting loosen in revenue, potential risk of tank misplacement



Densoflex tape

Considering that tape suppose to set up tank in correct placement it seems that its not suitable solution

DENSOFLEX Tape

Cold applied petrolatum tape according to DIN 30672 and DIN EN 12068 for the corrosion

protective coating of buried or immersed pipes, pipeline installations or other metal

constructions with operating temperatures up to 30°C.

Founding on Metro Dubai

2TS in KTW



Dubai





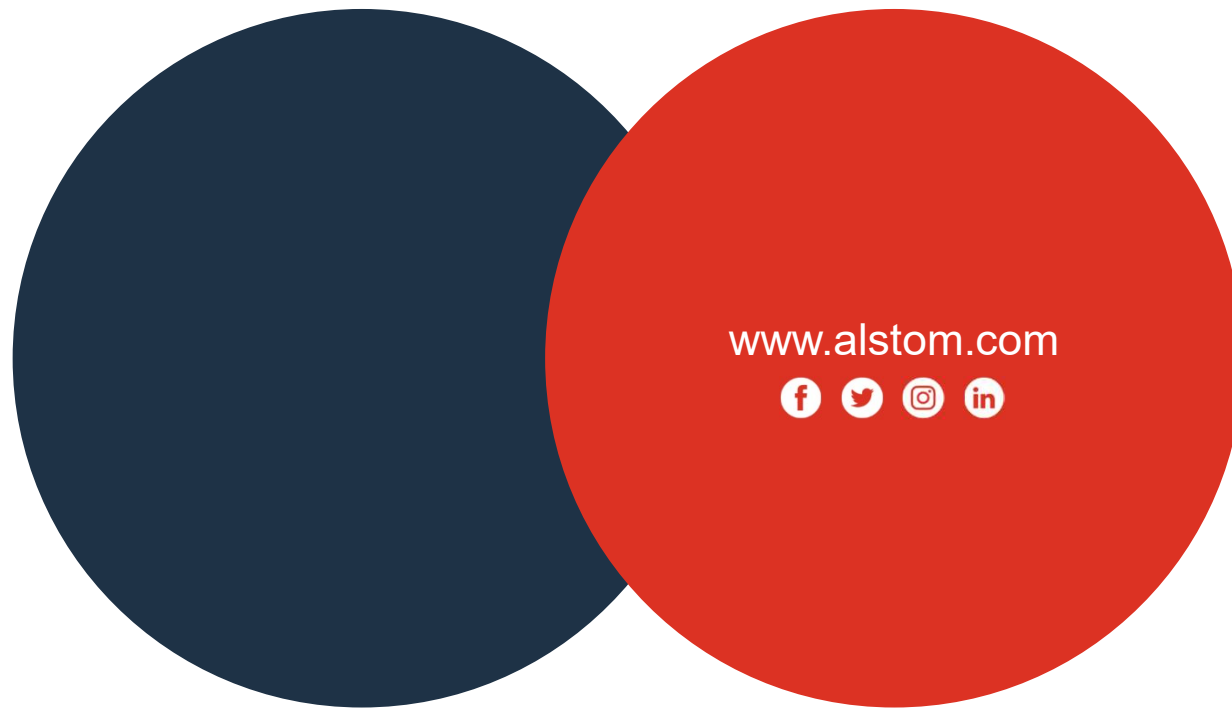
Open actions

- Keep on containment (retightening) check for fleet in Dubai – Jerry
- Set up a call to review containment check for tank misplacement – Adam
- Review of the assembly definition - Quentin

Metro Chennai



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