

RANIPETA Mahaboob

From: NAIR Sainath
Sent: Tuesday, January 11, 2022 3:24 PM
To: RANIPETA Mahaboob; BENAYED Elie
Cc: UVIN Mattias-EXT; KAHLAOUI Wahid; MUSSA Taha
Subject: !!! Part Recall !!! - Voltage Transducer - DTR0000306545 - 8D#220129

Importance: High

Dear Basha/Elie,

This is regarding 8D#220129 raised by Hanoi depot. One of the voltage transducers DTR0000306545 produced in a certain batch is failing (Affected serial#819177 to 819252) during train service.

The cause of the failure is described in D5.2: Description root cause 1 of the 8D (in the picture below).

I have checked the serial numbers installed on the Riyadh tractions and found that the following 4 are faulty and have to be returned back to Coimbatore for analysis/replacement.

- 8191880115 – Installed on TC#2132, mounted on Train#616 – HSCB Platine input stage – LVMD (part was fixed on TC#2132 in week 47 of year 2019 as it was damaged during retrofit assembly)
- 8191880118 – part of consignment stock at Riyadh depot
- 8191880117– part of consignment stock at Riyadh depot
- 8191880114– part of consignment stock at Riyadh depot

While it may not be feasible now to return the part installed on the train, please send the remaining 3 spare parts (part of consignment spares).

I will get back to you on the part replacement status.

Regards,
Sainath.

Statistics8D list8D N°220129

OverviewD1D2D3D4D5.1D5.2D6D7D8All filesActionsEvents

CVS not starting up - major fault

Viet Nam - Hanoi Metro Metro Line 3 TK Metro

K4

What, Where, How detected

During T&C of TS06 in Hanoi, the CVS2 is not starting up. Successive replacement of 3 voltage sensors and the defects disappears.

Why is it a problem

CVS not working and the origin of the failure is not understood - defects disappears with no reason and thus is likely to reappear.

D5.2 : Description root cause 1

A sub-component inside the current sensor become faulty in a high humidity environmen specific batch it has been found a deviation with the borophosphosilicate Glass (BPSG) d the BPSG film may allow the BPSG to be susceptible to moisture absorption. Moisture ab dielectric (ILD) separation with exposure to stresses after wafer processes. Batch incrimi

D6 : What does the solution consist of?

Retrofit and replacement of the sensors identified as faulty or potentially faulty in the fut CVS: see Récupération SN Capteur de courant_06.01.2022. 31 sensors to replace TRA: Need info from CJB to establish the quantity of replacements

D6 : Progress/results/next step for deployment

CVS : 26 sensors to replace 5 already replaced TRA : Need info from CJB to establish the quantity of replacements to perform