



भारत सरकार Government of India
रेल मंत्रालय Ministry of Railways
रेलवे बोर्ड Railway Board



(E-File no. 3320808)

New Delhi, Date: 19.09.2022

2019/M(C)/137/13

ED/Carriage
RDSO, Lucknow

Sub: Air spring suspension failure cases in LHB coaches.
Ref: RDSO letter no. SV.AS.SI dated 17.08.2022.

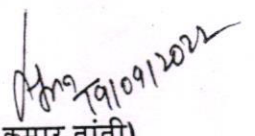
In context of recent two failures of Air Spring in coach no. 194126 (LWACCN) on 30.07.2022 on NFR and in coach no. 202692 SCR/LWSCN1 on 08.08.2022 on ECoR, RDSO has issued detailed instruction vide letter under reference above.

In this reference, it is advised to examine all the reported failures of air springs in detail covering related manufacturing defects/Material defects of these air springs. Further, In addition to the above, it is advised to study and submit detailed report inclusive issues indicated below:

- To study Interchange ability of air springs of capacity 120 kN, 140 kN and 160 kN analyzing its impact in various dynamic condition within a trolley/within a coach and prepare detailed report with recommendation.
- To submit a detailed report on trials and performance of make wise & coach type wise 120 kN, 140 kN and 160 kN air springs with recommendation for further proliferation.
- Details of status for adoption of 160 kN air springs for remaining LHB type coaches. As at present only LWACCNA, LWACCNE, LS-5A, LWSCNAA, LWSCZAA and LSLRDAA type coaches only are to be provided with 160 kN air springs.
- To explore possibility of higher capacity air springs i.e. of 180 kN or higher in LHB coaches.

The detailed report with recommendation may please be submitted to this office by 10 Oct 2022 so that further action is taken in this matter.

For further necessary action please.


(सुमन कुमार तांती)
निदेशक / यांत्रिक इंजी. को.
रेलवे बोर्ड

C/-All PCMEs/Zonal Railways for kind information and necessary action please.