



भारत सरकार - रेल मंत्रालय  
अनुसंधान अभिकल्प और मानक संगठन  
लखनऊ - 226 011  
EPBX (0522) 2451200  
Fax (0522) 2458500

Government of India-Ministry of Railways  
Research Designs & Standards Organisation  
Lucknow - 226 011  
DID (0522) 2450115  
DID (0522) 2465310



**MC/CTRB/Defects**

**Date: 19.09.2019**

**Chief Rolling Stock Engineer (Coaching),  
North Western Railway,  
Jaipur - 302 006**

**Sub:** En-route detachment of LHB Coach No. NWR 17166/C LWACCN from Train No. 19668 MYS-UDZ Humsafar Express at Nimach (NMH) Railway Station of Western Railway on 22.06.2019.

**Ref:** (i). M/s Timken letter No. SE/GS/UIC-130-RDSO/2019-006 dated 02.09.2019.  
(ii). Western Railway letter No. M 140/1 dated 03.07.2019.


An en-route detachment of LHB Coach No. NWR 17166/C LWACCN from train No. 19668 (MYS-UDZ) Humsafar Express on 22.06.2019 due to hot axle at NMH Railway Station of Western Railway has been reported to this office vide letter mentioned under reference (ii). The bearing involved in this case is of Timken make.

Joint inspection of reported beating was carried out by the representatives of M/s Timken, UDZ/NWR and PL Workshop/WR on 06.07.2019 at PL Workshop/WR, Mumbai. It has been concluded in the joint report that the probable cause of bearing damage may be lack of lubrication leading to metal to metal contact & subsequent rise in temperature resulting in seizure of the bearing in operation. It has also been brought out in the reports under reference that grease seal of bearing had damaged due to rubbing with damaged free earthing device components resulting in loss of lubrication.

In view of above, it is requested to ensure the following:

1. *Quality of fasteners for axle box components is to be ensured in terms of RDSO letter No. MC/CTRB/Genl. dated 06.07.2015. Tightening of phonic wheel bolts & screws of oiler ring assembly of earthing device must be at 21 N-m torque.*
2. *Axle end covers of LHB coaches should be opened in D2 schedule to inspect the earthing equipment for wear of slip assembly/carbon bars as per Para no. 12.3 of Maintenance Manual for LHB Coaches.*
3. *Replace all carbon brushes on earthing devices in D3 schedule as per Para no. 12.4 of Maintenance Manual for LHB Coaches.*
4. *Functional earthing device and WSP must be ensured.*

**DA:** Inspection Reports.

  
(Shobhit Pratap Singh)  
Jt. Director/VDG/Carriage  
for Exe. Director (Stds.)/Carriage

**Copy to:** for kind information please.

**1. Chief Rolling Stock Engineer (Coaching),**

- i. Central Railway, Chhatrapati Shivaji Terminus, Mumbai - 400 001
- ii. Eastern Railway, Fairlie Place, Kolkata - 700 001
- iii. Northern Railway, Baroda House, New Delhi - 110 001
- iv. Southern Railway, Park Town, Chennai - 600 003
- v. Western Railway, Churchgate, Mumbai - 400 020

- vi. West Central Railway, Jabalpur - 482 008
- vii. North Central Railway, Allahabad - 211 001
- viii. North Eastern Railway, Gorakhpur - 273 001
- ix. Northeast Frontier Railway, Maligaon, Guwahati - 781 011
- x. South Central Railway, Rail Nilayam, Secunderabad - 500 071
- xi. South Eastern Railway, Garden Reach, Kolkata - 700 043
- xii. South Western Railway, Hubli - 580 023
- xiii. South East Central Railway, Bilaspur - 495 004
- xiv. East Coast Railway, Chandrasekharpur, Bhubaneswar - 751 016
- xv. East Central Railway, Hajipur - 844 101
- xvi. Konkan Railway Corp. Ltd. Corporate office Belapur Bhawan Nawi Mumbai - 400 614

**2. DME/Coaching, Railway Board, Rail Bhawan, New Delhi - 110 001**

DA: Nil.



(Shobhit Pratap Singh)  
Jt. Director/VDG/Carriage  
for Exe. Director (Stds.)/Carriage