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No. EL/3.1.35/16

Date: 31.05.2017

Chief Electrical Engineers,

1. Central Railway, CST Mumbai-400001.
2. East Central Railway, Hazipur-844101, Bihar
3. East Coast Railway, Chandrashekharapur, Bhubneshwar-751 016.
4. Eastern Railway, Fairlie Place, Kolkata-700 001.
5. North Central Railway, Subedarganj, Allahabad-211 033.
6. Northern Railway, Baroda House, New Delhi-110001.
7. South Central Railway, Secunderabad-500 071.
8. South East Central Railway, Bilaspur-495004.
9. South Eastern Railway, Garden Reach, Kolkata-700 043.
10. Southern Railway, Park Town, Chennai-600 003.
11. West Central Railway, Jabalpur-482 001.
12. Western Railway, Churchgate, Mumbai-400 020.
13. South Western Railway, Hubli-580 023.

Sub: Amendment to maintenance schedule of three phase electric locomotives.

Ref.: This office letter of even no. dated 07.02.2012.


Reference above; following amendment is issued to MINOR maintenance schedule of Traction Motor under SN 21.

The existing MINOR maintenance schedule for traction motor under SN 21 shall be replaced by following:

SN	Equipment	IT	IA/ IB	IC
21	TRACTION MOTOR			
A. Instructions common for WAP5, WAP7, WAG9 & WAG9H Locomotives.				
i.	Examine all traction motors for signs of damage, dents or other defects caused by ballast. Check air outlets are not obstructed in any way.	✓	✓	✓
ii.	Check traction power cables, speed sensor and temperature sensor cables and ensure that they are not chamfered or damaged in any way.	✓	✓	✓
iii.	Tightness of both end cover bolts of Traction Motor.	×	✓	✓
iv.	Check the intactness of the junction box cover and bolt.	×	✓	✓
v.	Check the locking plate arrangement of support plate, if not available please provide.	✓	✓	✓
vi.	Check the condition of traction motor spheriblocks and torque arms, fasteners for their intactness. Replace if required	✓	✓	✓

vii.	Check the suspension tube bearing grease (NDE end) & do the greasing. (For WAG9/WAG9H/WAP7)	x	x	✓
viii.	Open TM junction box at body side and check the tightness of connections.	x	✓	✓
ix.	Check the condition of bellows and replace if required.	x	✓	✓
x.	Replacement of WAP7 gear case Oil with 460RR of IOC in the earliest schedule available	✓	✓	✓
B. Instructions for WAP5 Locomotives				
i.	Lubricate the both end bearings using a grease gun with specified grease.	x	x	✓
ii.	Check the condition of bearing by seeing the grease, which comes out from grease inlet. Check the condition of grease too.	x	x	✓
iii.	Checking the grease metal content during schedule, whenever grease available	x	x	✓
iv.	Check the condition of speed pulse generator unit on TM (NDE) for any grease ingress.	x	x	✓
C. Instructions for WAP7, WAG9 & WAG9H Locomotives				
i.	Lubricate the both end bearings using a grease gun with specified grease.	To be carried out in every six month i.e. 1st IB, 2nd IA, 2nd IC		
ii.	Check the condition of bearing by seeing the grease, which comes out from grease inlet. Check the condition of grease too			
iii.	Checking the grease metal content during schedule, whenever grease available.			
iv.	Check the condition of speed pulse generator unit on TM (NDE) for any grease ingress.			

Zonal Railways are advised to implement the aforesaid revised periodicity of MINOR schedule accordingly.


(A.K. Shukla)

for Director General Std./Electrical

Encl: Nil

Copy to:

- (i) Secretary (Elect), Railway Board, Rail Bhawan, New Delhi-110001.
- (ii) Chief Electrical Engineer, Chittaranjan Locomotive Works, Chittaranjan-713 331

} for kind information please.


(A.K. Shukla)

for Director General Std./Electrical

Encl: Nil