

GOVERNMENT OF INDIA MINISTRY OF RAILWAYS  
RESEARCH DESIGNS AND STANDARDS ORGANISATION  
MANAK NAGAR LUCKNOW 226 011

No. EL/3.2.13/6

MS/249

Dt.21.1.98

MODIFICATION SHEET NO. WAG7/3

WHEEL WEAR ON WAG7 LOCOMOTIVES

1. OBJECT

Railways have reported high wear of wheels in WAG7 locomotives. The analysis of data collected from the Railways indicate rapid wheel wear on the routes having more number of curves and more degree of curvature. Computer simulations on the subject indicated that the wheel life of WAG7 locomotives can be improved by increasing the existing longitudinal clearances. Central Railway, Ajni Shed have reported improved performance of locos provided with increased longitudinal clearances.

2. WORK TO BE CARRIED OUT

To increase the longitudinal clearances the existing liners of horn cheek have to be replaced by suitable thickness liners so as to achieve the following longitudinal clearances (total per axle box).

Existing Clearances			Revised Clearances		
As New	Service Limit		As New	Service Limit	
Min	Max		Min	Max	
0.6mm	2.0mm	4.0mm	2.0mm	4.0mm	6.0mm

For new locomotives CLW is already implementing this scheme by machining the existing horn cheek face from Loco No.27323.

3. APPLICATION TO CLASS OF LOCOMOTIVES

WAG7 locomotives in service.

4. MATERIAL REQUIRED

Suitable thickness of manganese liners so as to achieve the revised longitudinal clearances.

5. REFERENCE

RDSO (Motive Power) letter No. SV.WAG7 dt. 8/7/97

6. AGENCY OF IMPLEMENTATION

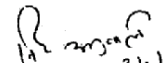
- (a) Electric Loco Shed holding WAG7 locos.
- (b) CLW
- (c) All POH Shops.

7. DISTRIBUTION

As per enclosed list.

Encl: As above

WAG7/3

  
21.1.98  
(V.R. Aggarwal)  
for Director General/Elect.