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भारत सरकार - रेल मंत्रालय
अनुसंधान अभिकल्प और मानक संगठन
लखनऊ - 226011
Government of India-Ministry of Railways
Research Design & Standards Organisation
Lucknow - 226011



No. EL/3.2.13

Date: 18.09.2000

TECHNICAL CIRCULAR NO. ELRS/TC/0064, Rev. '0' - 2000

Chief Electrical Loco Engineer,

- Central Railway, Mumbai CST- 400 001.
- Eastern Railway, Calcutta- 700 001.
- East Central Railway, Hazipur, Dichi (Bihar)
- East Coast Railway, Bhubneshwar (Orissa)
- Northern Railway, Baroda House, New Delhi-110 001
- North Central Railway, Hasting Road, Allahabad (U.P.)
- North - Eastern Railway, Gorakhpur
- North West Railway, Jaipur (Rajsthan)
- Southern Railway, Park Town, Chennai-600 003
- South Central Railway, Secunderabad -71
- South Eastern Railway, Garden Reach, Calcutta-700043
- South Western Railway, Bangalore
- Western Railway, Churchgate, Mumbai -400 020
- West Central Railway, Jabalpur
- Chittaranjan Locomotive Works., Chittaranjan -713 3319 (W.B.).

Sub: Conversion of RDSO's Drg. No. SKDL-3368, alt. '10' of equaliser Beam (long & short) for Co-Co bogie to AUTOCAD format..

Ref: Motive Power Dtc's Modification Sheet No. MP.MOD.VL.07.30.00 issued vide letter no. SV.Alt dt 16-8-2000.

Railways are presently procuring equaliser beams used in co-co tri-mount bogies as per RDSO's drawing no. SKDL-3368-Alt '10'. The above drawing have several curved sections which do not have defined centre. Therefore, the above drawing posed problems whenever equaliser was tried to be manufactured using a CNC machine by manufacturers. Therefore, based on the reference of Charbag Workshop of Northern Railway, Lucknow, RDSO has redrawn the equaliser drawing on AUTOCAD with all the curves having defined centres. The AUTOCAD version of equaliser beams' drawing has been numbered as SK.VL-178 Alt '0' and is now superseding earlier drawing no. SKDL-3368-Alt '10' with immediate effect.

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

SV.Alt

Dated 16.08.2000

MODIFICATION SHEET No. MP.MOD.VL.07.30.00

1.0 Title

Conversion of Tri-mount bogie equalizer drawing SK.DL-3368 Alt. 10 to AUTOCAD drawing.

2.0 Object

Trimount bogie equalizing beam to RDSO drawing no. SK.DL-3368 Alt.10 has several curved sections which do not have defined centres as this drawing was prepared using French curves. This drawing posed problems when equaliser was to be manufactured on CNC machine. SK.DL-3368 Alt. 10 was not accepted by CNC machines for bulk manufacture of equalising beam due to undefined centres. This led to the idea of converting the manual drawing 3368 Alt.10 on AUTOCAD.

3.0 Modification content

SK.DL-3368 Alt. 10 has been redrawn on AUTOCAD with all the curves having defined centres. The AUTOCAD version of equaliser beam drawing is now SK.VL-178 Alt. Nil which supersedes SK.DL-3368 Alt. 10 with immediate effect.

4.0 Method of fitment

No change

5.0 Application to class of locomotives

This modifications is applicable to following class of locomotives:
WDM2, WDM2C, WDS5A, WAM4, WAM4A, WCG2, WCAM1,
WAG5A/B/C & WCAM2

6.0 Material required and sources of supply

- a. EQUALISER SMALL - ST, GR-C to IS:2062
- b. EQUALISER LARGE - ST, GR-C to IS:2062

7.0 Reference

Problem referred by Charbagh loco works, Northern Railway, Lucknow.

8.0 Agency for implementation

- i. All workshops maintaining above class of locomotives.
- ii. All Diesel and Electric Sheds holding above class of locomotives.
- iii. All manufacturing units of above locomotives.


9.0 Special Note

Nil

10.0 Distribution

As per mailing list.

Encl: RDSO drawing SK.VL-178.


(S.M. VARMA)
16.8.2000

for Director General/MP (VDG)

All/Modification sheet

