

**GOVERNMENT OF INDIA
MINISTRY OF RAILWAYS
(RAILWAY BOARD)**

No. 92/M(C)/137/2 Vol.VI

New Delhi, dated 19.03.2015

**Chief Mechanical Engineer/ Chief Electrical Engineer
All Zonal Railways**

Sub: Verification of ultrasonically rejected axles in depots and workshops

After the UST examination in depots and workshops the axles are being rejected as per the laid down rejected criteria. The rejected axles are scrapped. Board has desired that the validation of the rejection criteria of UST failures should be done over one month period from 01.05.2015 to 31.05.2015 by verification through other methods. The following procedure may be adopted:

- i) The rejected axles have to be properly identified. The location of defects as revealed from the ultrasonic testing shall be marked on the axle with permanent marker.
- ii) Dye penetrant/ Magnetic Particle tests shall be carried out on the location so as to locate any existence of defect of crack on surface or sub-surface level.
- iii) If no defect is found in the exercise as stated in para (ii), each of such axles shall be cut on the location of defect and a physical verification shall be done so as to confirm whether any defect/ flaw truly exists on that location.
- iv) A completion report on this exercise with all relevant data shall be sent to EDME/Chg. with a copy to ED/M&C/ RDSO/Lucknow.


(Shailendra Singh)
Exec. Dir. Mech. Engg. (Chg.)
Railway Board

Copy to:

- i) DG/RDSO/ LKO
- ii) ED(Carr.)/RDSO/ LKO
- iii) ED(M&C)/ RDSO/ LKO