Government of India Ministry of Railways

Research, Designs & Standards Organisation Manak Nagar, Lucknow - 226 011

Ref: EL/3.2.30/DC2 27th January, 1978

Modification Sheet No. RDSO/WAM4/62

1. <u>Title of modification:</u>

Support for oil flow indicator of tap changer No.32.

2. Application to class of locomotives: WAM4

Applicable in principle to all electric locomotives in similar locations.

3. Object of modification :

Frequent cracking of oil flow indicator pipe has been reported by the railways. Investigations have shown that the failures due to resonant vibratations at high speeds. In order to minimise such vibrations, it is proposed to secure the oil flow indicator assembly by providing a support from the tap changer body, thereby increasing the resonant frequency.

4. <u>Modification Drawing:</u>

RDSO SKEL 2749

5. Agency of implementation :

Railways: All existing WAM4 locomotives.

CLW: Locos under production and future builds

6. (a) Material required and specification :

Two fixing clamps and support plate etc. as per drg.No.SKEL.2749.

(b) Material rendered surplus:

Nil

7. Work to be carried out:

The support should be fabricated and assembled as per RDSO drawing No.SK.EL.2749 and fixed on the graduator cover. The oil flow indicator should be secured by two clamps as shown.

8. Reference:

Nil

9. <u>Distribution</u>:

As per enclosed list

(S.Malaviya) for Director General (Elec)

