Government of India Ministry of Railways Research, Designs & Standards Organisation Manak Nagar, Lucknow - 226 011

No. EL/3.2.5/J3 Dated 24.1.1992

Modification Sheet No. RDSO/WAM4/165

1.	Title		:	Provision of thread locking compound on
bolts/screws.				
2.	Application		:	On pole fixing bolts, clamp fixing screws and terminal insulator fixing studs of TAO 659 Traction Motors. However can be used for any other bolts/screws observed to be loosening in service.
 Deta Mod 	Object ails of dification:		:	Railways have reported quite a large number of cases of loosening of pole fixing bolts, clamp fixing screws a as well as terminal insulator. It is suspected that the bolts/screws are getting loose due to vibration encountered in services. The object of this modification is to provide a mechanism which prevents loosening of bolts/screws etc. in service without adopting conventional locking arrangements.
	4.1	:	Remo	ve M - seal by breaking from the pole fixing bolts head/screws head etc.
	4.2	:	Clean	thread portion of bolts/screws with petrol/cotton cloth properly.
	4.3	:	Apply	loctite 222 or ANR 124 at the threaded portion of the bolt/screws
	4.4	:	Tighte	en the bolts/screws properly back in its position with the help of torque wrench at the specified
torque.				
	4.5	:	remov follow bolts o	ole fixing bolts 1st middle row bolt may be ed and re-fitted with loctite 222/ANR 124, ed by top row and bottom row respectively. All of pole fixing core should not be opened at a time id disturbance of adjustment.
	4.6	:	Renea	at operation at 4.1 to 4.4 for all other
bolts/screws for		ropou	clamp fixing, terminal insulator fixing	

etc.

5. Schedule of : On all TAO 659 Traction Motor during

Implementation overhaul/repairs.

6. Material Required : Loctite 222/ANR 124.

7. Name of suppliers : For Loctite 222

M/s Fit Tite Chemicals Ltd. 3A Barodawala, Mansion, 81, Dr. Annie Besant Road, Worli

Bombay-400018.

8. Agency for : i) All production units

Implementation ii) All Traction Motors repair shops.

iii) All Electric Loco Sheds.

iv) All POH Shops.

9. Distribution list : As per list enclosed.

Encl: NIL

(**P. K. Jain**)

for Director General/Electrical.