

**GOVERNMENT OF INDIA
MINISTRY OF RAILWAYS
RESEARCH DESIGNS & STANDARDS ORGANISATION**

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Addressees as per
Mailing list enclosed.

Technical Circular No.ELRS/TC/0055 (Rev.0 – 2000)

Sub: Grease for traction motor armature bearings of traction motor
type 4601Az/ Bz/Bx.

Originally, ESSO ANDOK-BR grease was used on pinion end and commutator end of armature bearing of traction motor type 253Bx/4601Az/Bz for 25KV BG AC EMUs/MEMUs.

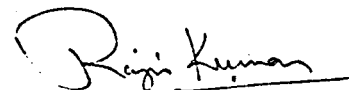
Alternative grease being used presently for the above application is LITHON-3 of Hindustan Petroleum Corpn.

During the 6th MSG meeting for EMUs, it was decided to carryout trials with a suitable alternative grease which can last for 18 months, that is from POH to POH, especially for sealed armature bearings. Thereafter, trials with Servogem RR-3 grease of IOC were carried out at EMU Car Sheds at Avadi/S.Rly. and GZB/N.Rly. The trials have since been completed. On successful completion of the above field trials, it has been decided to use SERVOGEM- RR3 grease for armature bearings of traction motor type 253Bx and type 4601 Az/Bz/Bx in addition to Lithon-3 grease of HPC, which is being used presently.

The quantities of grease for the first fill as per the BHEL Maintenance Manual are as under :

Pinion end : 550 grams
Commutator end : 315 grams

Encl: Mailing list



(R K Kulshrestha)

For Director General (Elec)