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2259/2
गोपनीय दस्तावेज़
संयोजन विभाग और मानक विभाग
लुक्नो-226011
Government of India - Ministry of Railways
Research, Designs & Standards
Organization, LUCKNOW - 226011

No. EL/3.2.182

Dated 07.07.2010

Modification Sheet No. RDSO/2010/ELRS/MS/0387(Rev. '0')

Title:

Provision of grease outlet channel at NDE side of TM type 6FRA 6068 used in WAG9/WAP7 class of locomotives

1. Object :

1.1 In the original design, grease outlet was not provided on the NDE side of end frame which is housing the NDE side bearing in traction motor type 6 FRA 6068 used on WAG9/WAP7 class of locomotives

1.2 It was observed that during regreasing of NDE bearing, some time grease enters into speed sensor through labyrinths and results in malfunctioning of speed sensors, which in turn gives spurious DDS messages and causes failure of locomotives

1.3 After detailed study, it has been decided to provide grease outlet at NDE side of end shield of traction motor 6FRA 6068.

2. Work to be carried out:

To provide the grease outlet at NDE End Frame, a channel has to be cut in end frame NDE (8.0 mm x 9 mm) and bearing cap NDE (8.0 mm x 6 mm) as shown in respective drawings

3. Application :

All new manufacturing and existing three phase traction motors type 6FRA6068 used in WAG9/WAP7 class of Locomotives

4. Material Required:

4.1 Modified End frame NDE as per CLW Drawing no 0TWD.096.003 Alt-8

4.2 Modified Bearing (NDE) Cap as per CLW drawing no 3TWD.096.32 Alt-6

5. Material rendered surplus

Nil

6. Modification Drawing No. :

- 6.1. CLW drawing no 0TWD.096.003 Alt-8 for End frame NDE (Machined)
- 6.2. CLW drawing no 3TWD.096.32 Alt-6 for Bearing cap NDE (machined)

7. Periodicity of Implementation :

All new traction motors type 6FRA6060

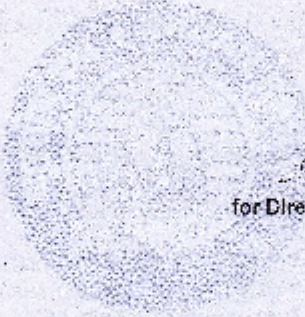
8. Agency of Implementation :

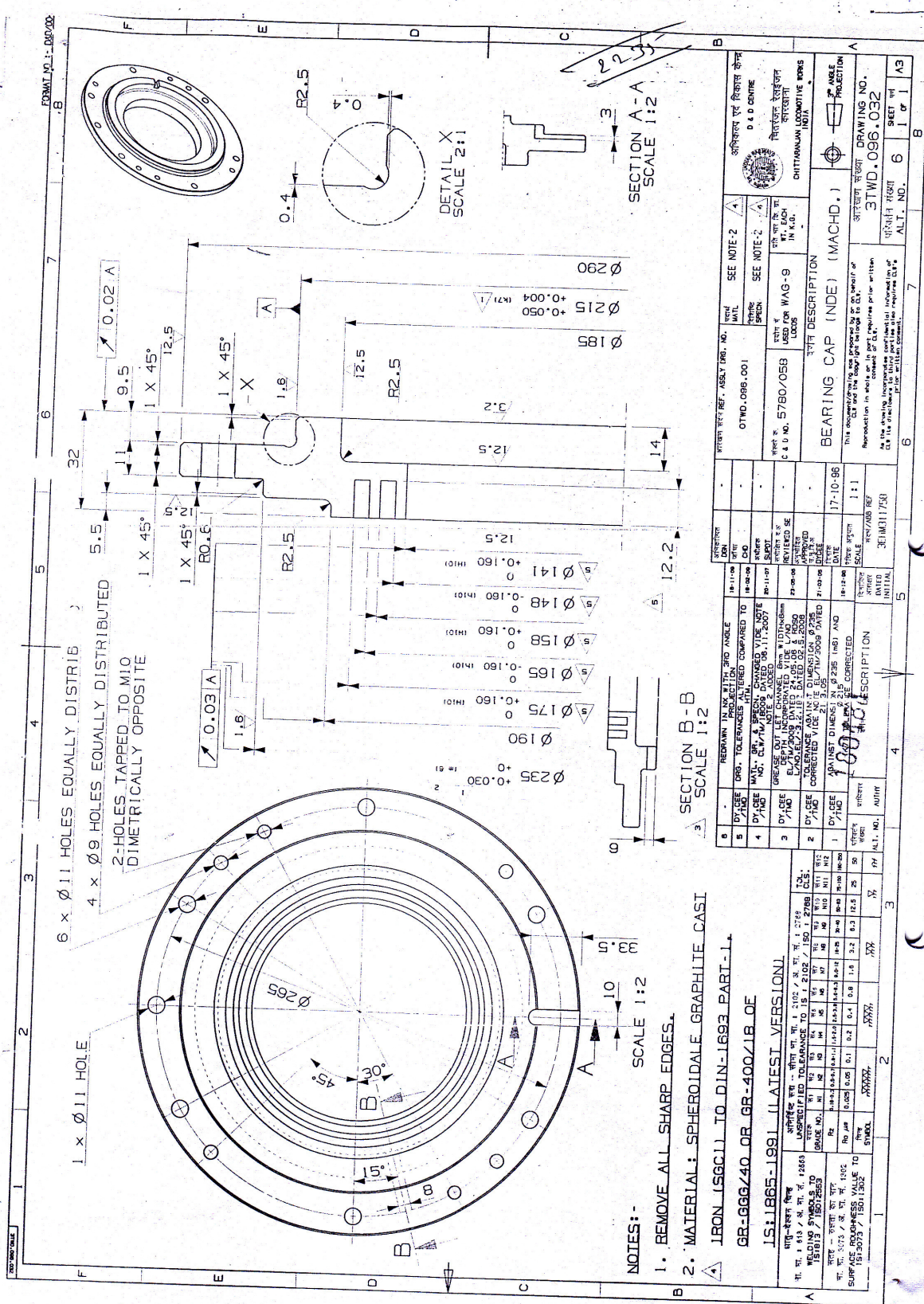
All traction Motor Manufactures.

9. Distribution:

As per enclosed list.

DA: as above


(Ganesh)
for Director General (Elec.)



NOTES:-

1. REMOVE ALL SHARP EDGES.
2. MATERIAL: SPHEROIDAL GRAPHITE CAST IRON (SGCI) TO DIN-1693 PART-1, GR-GGG/40 OR GR-400/18 OF IS:1865-1991 (LATEST VERSION).

ITEM NO.	DESCRIPTION	UNIT	QTY	REMARKS
1	BEARING CAP (INDE) (MACHD.1)	NO.	1	
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