



o/c

भारतीय रेल (रेल मंत्रालय) अगला संदर्भ  
डीजल रेल इंजन कारखाना  
वाराणसी-२२१००४, भारत  
INDIAN RAILWAYS (MINISTRY OF RAILWAYS)  
DIESEL LOCOMOTIVE WORKS  
VARANASI-221004, INDIA

पृष्ठ संख्या.....20.....  
विडला संदर्भ.....

ISO 9001 : 2008  
ISO 14001: 2004  
OHSAS 18001:2007

No. dlw.m.65.262

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DESIGN BULLETIN

1. Design Bulletin no.: DB/01/2017/03
2. Subject: Design change in Hose Asm (PL no. 16241411 & 16241423) used in Governor Booster Pump.
3. Background:
  - a. Hoses were getting twisted during fitment on engine.
  - b. After getting twisted, hoses were in stressed condition, resulting lube oil leakage from end fitting due to vibration during running of engine.
5. Objective: To eliminate the lube oil leakage from hose.
6. Detail of study/Investigation:

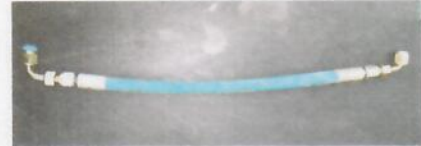
In earlier design, hose was always in tension and twisted condition due to fix crimping of hose with the end fitting.

7. Corrective action:

- An additional nut fitting (universal joint) has been introduced in both side end fitting of hose.
- By using universal end fitting, hose can be fitted in any angle.
- Due to this modified design, twist condition of hose has been eliminated
- This also eliminated oil leakage in service and hose life increased.



Earlier Design



Modified Design  
(With nut fitting)

8. Drg./Spec./Inspection plan: Drawings have been modified and issued for PL no. 16241411 (Drg. no. 40054733 Alt.-b) and PL no. 16241423 (Drg. no. 40030891 Alt.-b).
9. Implementation: This modification has already been implemented at DLW. Zonal Railways to implement the modified design on existing locos fitted with old design Hose Asm.

Circulation: All CMPE/Dsl Zonal Railway.



13.6.17  
(S.K. Singh)  
Dy. CDE/Engine