



भारतीय रेल (रेल मंत्रालय)  
डीजल रेल इंजन कारखाना

वाराणसी-२२१००४, भारत  
INDIAN RAILWAYS (MINISTRY OF RAILWAYS)  
DIESEL LOCOMOTIVE WORKS  
VARANASI-221004, INDIA

पृष्ठ संख्या.....19.....

पिछला संदर्भ.....

भागला संदर्भ.....  
ISO 9001 : 2008  
ISO 14001: 2004  
OHSAS 18001:2007

No. dlw.m.65.262

Dated: 03.06.2017

DESIGN BULLETIN

1. Design Bulletin no.: DB/01/2017/02
2. Subject: Design change in Oil Separator/Ejector Application to part no. 16060441.
3. Background: Hose was getting damaged during running of engine.
5. Objective: To eliminate the problem of Hose used in Oil Sep/Ejector Application.
6. Detail of study/Investigation:

In earlier design, steep bending of hose observed near end fitting. Due to this reason, hose was always in tension & bend condition, which leads to rupture at that area even after slight rubbing with long hood door.

7. Corrective action:

- A 90 degree elbow (1"x 90°) and a close nipple (1"x 2.5") has been introduced along with hose end fitting.
- By use of this hose fitting, steep bending of hose has been eliminated, hence hose is always in straight position. Sufficient gap is maintained between long hood door and hose.
- This arrangement eliminates rubbing of hose with long hood door, hence hose life is increased.

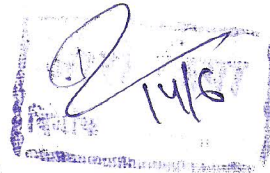


Earlier Design



Modified Design  
(With Elbow & Nipple fitting)

8. Drg./Spec./Inspection plan: Drawing for Part no. 16060441 (Drg. no. 9546736 Alt.-Hb) has been modified to include Elbow 1x90° (PL no. 11284663) and Pipe Nipple 1x2-1/2 (PL no. 11297086). Product structure has been changed accordingly.
9. Implementation: This modification has been implemented at DLW. Zonal Railways to implement the modified design on existing locos fitted with old design.
10. Circulation: All CMPE/Dsl Zonal Railway.



03.6.17  
(S.K. Singh)  
Dy. CDE/Engine