

NOISE IN CLASS 47 LOCOMOTIVE CABS

This report presents the results of a comprehensive survey to determine what modifications need to be made to Class 47 locomotives to ensure that the driver's noise does not exceed 85 dBA L_{eq} for an 8 hour day.

The main recommendations of the report are:

- A re-appraisal of the engine mounting
 - In the short term to fit 'softer' rubber mounts and maintain tight control over mount condition and stiffness.
 - In service tests with new all metal mounting system.
 - If justified, fit new metal mounts to the whole locomotive fleet.
- Seals around exterior doors, bulkhead doors and windows require attention. Redesign of the bulkhead door catch and side window operating mechanism to improve sealing.
- Cooker, heaters, driver's console and other fixtures need to be prevented from rattling. Resilient mounting or firmer fixing is required.
- Relocate the locomotive horn.
- Quieter AWS warning devices.
- Implementation of in-service trials on a locomotive with the above modifications to confirm that the results achieved are satisfactory; if successful to be followed by modifications to the whole fleet.