

HEAVY VEHICLE MODIFICATIONS

Appendix 3

MODIFICATION REPORT - BRAKE SYSTEM

(PRE-ADR VEHICLE)

1. Description of braking system in words: e.g. S/Cam Wedge:

2. Describe secondary brake system:

3. Describe Stored Energy warning devices fitted: Light/Buzzer/Gauge:

NOTE: If a stored energy warning device is fitted, it must be activated at a minimum of 50% of Nominal Operating Pressure. At least 6 full brake pedal depressions must be available before depleting positive pressure system supply - at least 2 full brake pedal depressions for vacuum (negative pressure) boost, vacuum gauge must be used for vacuum supply tests.

4. Describe parking brake system:

5. Describe method of brake actuation on additional axle/s if different from original:

6. Are the foundation brakes compatible to the Axle Load Carrying Capacity for the modified vehicle?

7. Record number of full brake applications possible before warning devices became operative (keep parking brake and engine off). Min. requirement, 4 for vacuum brakes 6 for for air brakes

8. What is the nominal operating pressure of the system?  kPa

9. Record the following data:  
 (a) Increase in brake lining area  %. (b) Increase in GVM:  %

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10. Record the proportion of the load carried by axle/s controlled by Parking Brake:

(a) Unladen  % (b) Laden  %

11. How is the service brake system protected when an auxiliary device fails?

12. Is the service brake system preferentially protected? YES / NO

13. Performance Test Results

	MASS	SPEED	STOPPING DISTANCE	DEVIATION
LIGHTLY LOADED				

NOTE: Max Stopping distance when braking from 60km/h must not exceed 42.0m.

14. Fitting of an additional Axle requires fitting of additional Air Tank.

Maximum allowable time for air build up from zero to 80% of compressor cut out pressure is 5.0 mins.

Actual compressor build up time is  mins  sec.

Report prepared by:

Signature when printed:

Date: