|  |  |
| --- | --- |
| Vehicle and modifier details | Report no.: |
|  |
| Vehicle make: | Vehicle model: | Month and year of manufacture: |
|  |  |  |
| VIN (if applicable): | Vehicle chassis no. (if applicable): | Vehicle modifier (company name): |
|  |  |  |

## Enter details

|  |  |  |
| --- | --- | --- |
| 1 | Describe the nature of the braking system e.g. S/Cam Wedge: |  |
| 2 | Describe the secondary brake system: |  |
| 3 | Describe stored energy warning devices fitted — light/buzzer/gauge: |  |
| 4 | Describe the parking brake system: |  |
| 5 | Describe how, if different from original, brakes are to be actuated on additional axles: |  |
| 6 | Describe how the service brake system is protected when an auxiliary device fails: |  |
| 7 | Performance test results: |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Mass | Speed | Stopping distance | Deviation |
| Lightly loaded |  |  |  |  |
| Maximum stopping distance when braking from 60 km/h must not exceed 42.0 m. |

 |
|  |  |  |
| 8 | Is the service braking system preferentially charged? |

|  |  |  |
| --- | --- | --- |
|  | Yes [ ]  | No [ ]  |

 |
| 9 | Are the foundation brakes compatible with the axle load carrying capacity for the modified vehicle? |

|  |  |  |
| --- | --- | --- |
|  | Yes [ ]  | No [ ]  |

 |
| 10 | Record number of full brake applications possible before warning devices became operative (keep parking brake and engine off). Minimum requirement, four for vacuum brakes, six for air brakes. |

|  |  |  |
| --- | --- | --- |
|  |  |  applications |

 |
| 11 | What is the nominal operating pressure of the system? |

|  |  |  |
| --- | --- | --- |
|  |  | (kPa) |

 |
| 12 | Record the value of the following: |

|  |  |  |
| --- | --- | --- |
| Increase in brake lining area  |  | % |
| Increase in GVM  |  | % |

 |
| 13 | Record load carried by axle/axles controlled by park brake: |

|  |  |  |
| --- | --- | --- |
| Unladen  |  | % |
| Laden |  | % |

 |
| 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 |

 |

## Authorisation

|  |  |
| --- | --- |
| **Comments:** |  |
| Examined by: | Company (if applicable): | AVE no.: |
|  |  |  |
| Signed: | Modification certificate no.: | Modification plate no.: | Date: |
|  |  |  |  |