### Trailer and modifier details

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Vehicle make: | | | | Vehicle model: | | | | | | | Month and year of manufacture: | | | | | |
|  | | | |  | | | | | | |  | | | | | |
| VIN (if applicable): | | | | Vehicle chassis no. (if applicable): | | | | | | | Vehicle modifier (company name): | | | | | |
|  | | | |  | | | | | | |  | | | | | |
| Wheelbase: | | Forward radius: | | | | | Rear overhang: | | | Tow coupling overhang: | | | | Drawbar length: | | |
|  | mm |  | | | | mm |  | | mm |  | | mm | |  | | mm |
| Point of articulation to rear overhang line: | | | | | **Modified ATM:** | | | | **Modified GTM:** | | | | | | **Tare mass:** | |
|  | | | mm | |  | | | kg |  | | | | kg | |  | kg |

|  |  |  |
| --- | --- | --- |
| Certifying S12 AVE name: | **AVE no.:** | S12 design certificate no.: |
|  |  |  |

### Trailer component details

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Component details: | | | | | | | | | | | |
| Component | Make | | Model | | | | Compliance mark approval/SARN | | | Load rating | |
| Control system |  | |  | | | |  | | |  | |
| Braked axles |  | |  | | | |  | | |  | kg |
| Front suspension |  | |  | | | |  | | |  | kg |
| Rear suspension |  | |  | | | |  | | |  | kg |
| Tyre size |  | |  | | | |  | | |  | kg |
| Axle group: Front | Axle number 1 | | Axle number 2 | | | | Axle number 3 | | Axle group load | | |
| Brake chamber size |  | |  | | | |  | |  | | kg |
| Slack adjuster length |  | |  | | | |  | |
| Axle group: Rear | Axle number 1 | Axle number 2 | | | Axle number 3 | | | Axle number 4 | Axle group load | | |
| Brake chamber size |  |  | | |  | | |  |  | | kg |
| Slack adjuster length |  |  | | |  | | |  |
| Chassis section |  | | | | | | | | | | |
| Tow coupling / fifth wheel | Make | | | Model | | | | D-rating | | | |
|  |  | | |  | | | |  | | | kN |
| Basis for rating determination | Reference trailer make/model for comparison | | | | | Compliance plate approval no. if ADR 38/.. approved | | | | | |
|  |  | | | | |  | | | | | |

### Assessment

| Assessment Check Yes, No, N/A as applicable: | | Yes | No | | N/A | |
| --- | --- | --- | --- | --- | --- | --- |
| 1 | Have the following been kept for future audit:   * details of components of the reference trailer model used for comparison; or * a copy of the S12 design certification and checklist? |  | |  | |  |
| 2 | Does the trailer as a whole conform to the detail construction, section properties and cross-member location of the comparison chassis or the S12 design certification and checklist? |  | |  | |  |
| **3** | If the vehicle has been modified to comply with question 2, have the modifications been performed and certified to the relevant section of VSB6? |  | |  | |  |
| **4** | Are the trailer dimensions within the permitted maximum limits? |  | |  | |  |
| 5 | Is the trailer's entire braking system, including brake chamber sizes and slack adjuster length setting, identical to the braking system of the reference comparison trailer or the S12 design certification and checklist? |  | |  | |  |
| **6** | Have the brake system piping lengths been established to not exceed the maximum lengths specified in the control system manufacturer's certified data sheet? |  | |  | |  |
| **7** | Is the parking brake system capable of holding the trailer on an 18% gradient at the modified ATM rating? |  | |  | |  |
| 8 | Has the tyre placard, if fitted, been updated where necessary to record the correct tyre and rim sizes, axle configurations, axle loads and inflation pressures for the modified trailer? |  | |  | |  |
| **9** | Are tyres and rims fitted in conformance to the tyre placard? |  | |  | |  |
| 10 | Do the tow coupling, tow coupling mounting and drawbar (if applicable) meet the requirements of Australian Design Rule (ADR) 62/.. ? |  | |  | |  |

### Advanced braking systems

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Braking systems Check Yes, No, N/A as applicable: | | Yes | No | N/A |
| 1 | Is the advanced braking system (where fitted) un-affected or re-certified after the vehicle modification? |  |  |  |

### Modification details

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Modification criteria Check Yes or No as applicable: | | Yes | No |  |
| 1 | Has the modification been performed in accordance with the manufacturer’s guidelines? |  |  |  |

### Compliance

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Modification Check Yes or No as applicable: | | Yes | No |  |
| 1 | Does this modification meet all the requirements of the manufacturer’s guidelines / Modification Code S7? |  |  |  |
| 2 | Does the trailer comply with all applicable ADRs requirements at the revised ATM/GTM? |  |  |  |
| 3 | Is the trailer in satisfactory mechanical condition? |  |  |  |
| 4 | Is the quality of the work to an accepted industry standard? |  |  |  |
| 5 | Does the vehicle continue to comply with ADRs and heavy vehicle standards regulations affected by the modification? |  |  |  |

### Authorisation

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Other than modification criteria, if the answer to any relevant question is NO the modification is not acceptable.** | | | | |
| **Comments:** |  | | | |
| Examined by: | | Company (if applicable): | | AVE no.: |
|  | |  | |  |
| Signed: | | Modification certificate no.: | Modification plate no.: | Date: |
|  | |  |  |  |