Vehicle and modifier details

|  |  |  |  |
| --- | --- | --- | --- |
| Vehicle make: | | Vehicle model: | Month and year of manufacture: |
|  | |  |  |
| VIN (if applicable): | | Vehicle chassis no. (if applicable): | Vehicle modifier (company name): |
|  | |  |  |
| Centre of mass height: | | Trailer examined or details supplied by: | Examiner/details supplier (company name): |
|  | mm (if applicable) |  |  |

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? | |  |  |  |

Trailer component details

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Component details | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Component | | | | | | Make/model | | | | | | | | | | Compliance mark approval | | | | | | | | | | Load rating | | | | |
| Control system | | | | | |  | | | | | | | | | |  | | | | | | | | | |  | | | | |
| Braked axles | | | | | |  | | | | | | | | | |  | | | | | | | | | | kg | | | | |
| Front suspension | | | | | |  | | | | | | | | | |  | | | | | | | | | | kg | | | | |
| Rear suspension | | | | | |  | | | | | | | | | |  | | | | | | | | | | kg | | | | |
| Tyre | | | | | | Tyre size | | | | | | | | | | Rolling radius | | | | | | | | | | Load rating | | | | |
|  | | | | | |  | | | | | | | | | | metres | | | | | | | | | | kg | | | | |
| Modified ATM | | | | | |  | | kg | | Modified GTM | | | |  | | | | kg | Wheelbase | | |  | | | | mm | | | | |
| 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 group load | | | | | | | | | | | |
| Brake chamber size | | | | | |  | | | |  | | | |  | | | | |  | | | | | | | kg | | | | |
| Slack adjuster length | | | | | |  | | | |  | | | |  | | | | |
| Calculated braking performance | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Calculated ERC deceleration performance relative to ADR 38/.. upper and lower boundaries | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Brake signal pressure ‘E’ | | | | 0.2 | | | | | 0.4 | | | | 0.6 | | | | | | | 0.8 | | | 1.0 | | | | | | | |
| Calculated ERC | | | |  | | | | |  | | | |  | | | | | | |  | | |  | | | | | | | |
| Upper limit | | | | .140 | | | | | .305 | | | | .470 | | | | | | | .635 | | | .800 | | | | | | | |
| Lower limit | | | | .029 | | | | | .158 | | | | .286 | | | | | | | .394 | | | .482 | | | | | | | |
| Parking grade percent at modified ATM | | | | | | | | | Emergency skid limit | | | | | | | | | | | | Certified suspension skid limit | | | | | | | | | |
|  | | | % | | | | | |  | | | | | | | | | | | |  | | | | | | | | | |
| Dog trailer | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Front friction utilisation | | | | | | | | | Rear friction utilisation | | | | | | | | | | | | Axle fade rating required | | | | | | | | | |
|  | at: |  | | | | | ERC | |  | | at: |  | | | ERC | | | | | |  | | | tonnes | | | | | | |
| Trailer component details | | | | | | | | | | | | | | | | | Check Yes, No, N/A as applicable: | | | | | | | | Yes | | No | | N/A | |
| Retention of records | | | | **1** | Have all calculations required to establish the modified aggregate trailer mass (ATM) been retained for future audit? | | | | | | | | | | | | | | | | | | | | |  | |  | |  |
| Brake system | | | | **2** | Are the requirements of Australian Design Rule (ADR) 38/.. met for ERC, emergency skid limits, friction utilisation and axle fade rating? | | | | | | | | | | | | | | | | | | | | |  | |  | |  |
|  | | | | **3** | Does the parking brake ability exceed 18% gradient at the modified ATM? | | | | | | | | | | | | | | | | | | | | |  | |  | |  |

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 G8? | |  |  |  |
| 2 | Is the quality of the work to an accepted industry standard? | |  |  |  |
| 3 | 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: |
|  | |  |  |  |