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

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| --- |
| 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: |
|  |  |  |  |