Part A - Vehicle owner’s or supplier’s details

|  |  |
| --- | --- |
| Name: | Company/business: |
|  |  |
| Address: | Postcode: |
|  |  |

Vehicle and modifier details

|  |  |  |
| --- | --- | --- |
| Vehicle make: | Vehicle model: | Month and year of manufacture: |
|  |  |  |
| VIN (if applicable): | Vehicle chassis no. (if applicable): |
|  |  |
| Issued by (Approved Vehicle Examiner (AVE)): | Company (if applicable): | AVE no.: |
|  |  |  |
| Signed: | Telephone: | Date: |
|  |  |  |

Vehicle design

|  |
| --- |
| Vehicle dimensions |
| Overall vehicle length: | Wheelbase: | Loaded deck length:  |
| **mm** | **mm** | **mm** |
| **Front overhang:**  | **Rear overhang:**  |
| **mm** | **mm** |
| **Drawbar length:**  |  |
| **mm** |
| Vehicle rating |
| Aggregate Trailer Mass (ATM) rating: | Gross Trailer Mass (GTM) rating: |
| **kg** | **kg** |
| Component specifications (the following information should be based on the vehicle manufacturer’s specifications) |
| Axles  | Make: | Model: | Load rating (with S10 specified tyres): | Number of axles: |
| Front axle group |  |  | **kg** |  |
| Rear axle group |  |  | **kg** |  |
| Tyres  | Size designation: | Load index: | Capacity per tyre: | Total axle group tyre capacity |
| Front Axle Group |  |  | **kg** | **kg** |
| Rear axle group |  |  | **kg** | **kg** |
| Coupling | Make: | Model: | D-value: |
| Tow coupling |  |  | **kN** |
| Turntable |  |  | **kN** |

Assessment

| Assessment Check Yes, No, N/A as applicable: | Yes | No | N/A |
| --- | --- | --- | --- |
| 1 | Is the overall deck length of the vehicle less than or equal to 12.5m? | [ ]  | [ ]  | [ ]  |
| 2 | Is the distance from the centre of the drawbar coupling to the front axle line less than or equal to 5.0m? | [ ]  | [ ]  | [ ]  |
| 3 | Is the overall width of the vehicle within the Australian Design Rule definition for maximum vehicle width (for example, 2.5m)? | [ ]  | [ ]  | [ ]  |
| 4 | Is the overall height less than or equal to: |  |  |  |
| * 4.3m single deck crate?
 | [ ]  | [ ]  | [ ]  |
| * 4.6m multiple deck crate?
 | [ ]  | [ ]  | [ ]  |
| 5 | Is the trailer fitted with a triaxle rear axle group? | [ ]   | [ ]  | [ ]  |
| 6 | Is the trailer fitted with a tandem axle front axle group? | [ ]  | [ ]  | [ ]  |
| 7 | Are all axles fitted with dual tyres? | [ ]  | [ ]  | [ ]  |
| 8 | Is the king pin rating equal to or greater than the following: |  |  |  |
| * dog trailers with a rear coupling 162kN?
 | [ ]  | [ ]  | [ ]  |
| * dog trailers without a rear coupling 135kN?
 | [ ]  | [ ]  | [ ]  |
| 9 | Is the fifth wheel rating equal to or greater than the following: |  |  |  |
| * dog trailers with a rear coupling 162k?
 | [ ]  | [ ]  | [ ]  |
| * dog trailers without a rear coupling 135kN?
 | [ ]  | [ ]  | [ ]  |
| 10 | Is the tow eye rating equal to or greater than the following: |  |  |  |
| * dog trailers with a rear coupling 162kN?
 | [ ]  | [ ]  | [ ]  |
| * dog trailers without a rear coupling 135kN?
 | [ ]  | [ ]  | [ ]  |
| 11 | Is the rear tow coupling rating equal to or greater than 162kN? | [ ]  | [ ]  | [ ]  |

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? | [ ]  | [ ]  | [ ]  |

Part B - Unladen mass

|  |
| --- |
| Weigh vehicle |
| * Weigh vehicle at a registered public weighbridge and record quantities of fuel, AdBlue and water at the time of weighing.
* Ensure vehicle is weighed without driver.
* Attach a copy of the weighbridge ticket in the space provided at the end of Part B.
 |
| **Weighbridge ticketed mass:** | **Kg** |
| **Fuel:**  | **L** |
| **AdBlue:** | **L** |
| **Water:** | **L** |
| Standard equipment |
| * List all standard equipment fitted to the vehicle at the time of weighing (e.g. spare wheel/tyre(s), toolbox(s)). The stock crate/body, gates, effluent tanks, etc. and OH&S equipment must be included.
* It is recommended that detailed photographs of the vehicle (that capture all the standard equipment fitted) are taken at the time of weighing.
* Attach all photos in the space provided at the end of Part B.
 |
| **Standard equipment list:** |
|  |
|  |
|  |
|  |
|  |
|  |
|  |
|  |
|  |
|  |
|  |
|  |
|  |
|  |

Additional equipment

|  |
| --- |
| Plan of additional equipment |
| * Draw a plan of the chassis layout showing the position of all the additional equipment that has been, or is planned to be, fitted after the time of weighing.
* It is recommended that detailed photographs of the vehicle (that capture all the standard equipment fitted) are taken at the time of weighing.
* Attach all photos in the space provided at the end of Part B.
 |
| **Chassis layout of additional equipment:** |
|  |
| Calculated dry mass with standard and additional equipment  |
| * Subtract any mass imposed on the steer and rear axle group(s) due to fuel, AdBlue and water.
* Calculate the mass on the steer and rear axle group(s) due to any additional equipment fitted after the time of weighing.
* A copy of weight distribution calculations must be attached to the end of Part B.
 |
| **Front axle group unladen dry mass (F2):** | **kg** |
| **Rear axle group unladen dry mass (R2):** | **kg** |
| **Trailer’s unladen dry mass with standard equipment and additional equipment (F2+R2):** | **kg** |

Trailer unladen mass

|  |
| --- |
| Calculate the unladen or wet mass (with fuel/AdBlue/water added to dry mass of the steer and rear axle groups(s))  |
| * Calculate the mass of fuel/AdBlue/water in each tank (taking into account the ullage factor) by multiplying the nominal volume of each tank by the density of fluid.
* A copy of weight distribution calculations must be attached to the end of Part B.
 |
| **Front axle group unladen mass (F3):** | **kg** |
| **Rear axle group unladen mass (R3):** | **kg** |
| **Trailer’s unladen mass with filled fluid reservoirs (less ullage), standard equipment and additional equipment (F3+R3):** | **kg** |

Additional information

|  |
| --- |
| **Photos of standard equipment:** |
|  |
| **Weighbridge certificate:** |
|  |
| **Weight distribution calculations from mass imposed on the forward and rear axle group(s) due to fuel, AdBlue and water:** |
|  |
| **Photographs of the vehicle at the time of weighing capturing all the standard equipment fitted:** |
|  |
| **Weight distribution calculations of the mass on the forward and rear axle group(s) due to any additional equipment fitted after the time of weighing:** |
|  |

Part C – S10 Laden Mass (Dog trailer)

|  |
| --- |
| Stock body/crate plan |
| * Draw a plan of the stock body/crate deck areas on the vehicle that are available for the carriage of livestock including the vehicle axle locations.
* In the plan, mark in the position of the rear axle line and the distance between the centre of each livestock carrying area and the rear axle.
* One plan is required for each stock deck.
 |
|  |
| Calculate imposed (S10) loads on forward and rear axle groups |
| * A copy of weight distribution calculations must be attached to the end of Part C.
* Where a converter dolly is part of the dog trailer, apply 15,000kg vertically through the centre of the fifth wheel coupling to simulate loading from a laden semitrailer.
 |
| Total Livestock area (all decks): | m2 |
| Front axle group S10 laden mass (F5): | kg |
| Rear axle group S10 laden mass (R5): | kg |
| Vehicle S10 laden mass (F5+R5): | kg |
| Modification Check Yes, No as applicable: (If No, do not proceed with the rating) | Yes | No |  |
| 1 | Are the calculated S10 laden masses less than or equal to the vehicle manufacturer’s ratings? | [ ]  | [ ]  |  |

Additional Information

|  |
| --- |
| **Weight distribution calculations:** |
|  |

Part D - Vehicle details and declarations

AVE authorisation

|  |
| --- |
| **Declaration by certifier (AVE)** |
| **I am the Approved Person who completed all the mass calculations and declare that the information in this form is true and correct.** |
| Issued by: | Company (if applicable): | AVE no.: |
|  |  |  |
| Signed: | Telephone: | Date: |
|  |  |  |

Owner/supplier authorisation

|  |
| --- |
| **As the** [ ]  **Owner /** [ ]  **Supplier (select applicable) of the vehicle described in this form, I declare that the vehicle specifications and vehicle equipment detailed herein are representative of the vehicle as it will enter into service and that I have enlisted the services of the AVE mentioned above to complete the S10 approval of this vehicle in this build state/configuration.** |
| Name: | Company (if applicable): |
|  |  |
| Address |
|  |
| Signed: | Telephone: | Date: |
|  |  |  |