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: | Distance from Kingpin to ROH Line: |
| **mm** | **mm** |
| **Stock crate length:** | **King pin to front corner of trailer:**  | **Rear overhang:** |
| **mm** | **mm** | **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 trailer manufacturer’s specifications) |
| Axles:  | Make: | Model: | Load rating (with S10 specified tyres): |
| Rear axle group |  |  | kg |
| Tyres  | Size designation | Load index | Capacity per tyre | Total axle group tyre capacity |
| Rear axle group |  |  | **kg** | **kg** |
| Coupling | Make | Model | D-value |
| King pin |  |  | **kN** |
| Rear tow coupling (if fitted) |  |  | **kN** |
| Fifth wheel (for B-Double & B-Triple lead trailers only) |  |  | **kN** |

Assessment

| Assessment Check Yes, No, N/A as applicable: | Yes | No | N/A |
| --- | --- | --- | --- |
| 1 | Is the total internal deck length no more than 12.5m? | [ ]  | [ ]  |  |
| 2 | Is the overall width of the vehicle within the Australian Design Rule definition for maximum vehicle width (for example, 2.5m)? | [ ]  | [ ]  | [ ]  |
| 3 | Is the overall height of the vehicle less than or equal to: |  |  |  |
| * 4.3m for single deck crate; or
 | [ ]  | [ ]  | [ ]  |
| * 4.6m for multiple deck crates?
 | [ ]  | [ ]  | [ ]  |
| 4 | Is the vehicle fitted with a triaxle group? | [ ]  | [ ]  | [ ]  |
| 5 | Are all axles fitted with dual tyres? | [ ]  | [ ]  | [ ]  |
| 6 | Are the load ratings, for fitted couplings, equal to or greater than the following? |  |  |  |
| * Rear pin tow coupling 210kN
 | [ ]  | [ ]  | [ ]  |
| * B-double lead trailer fifth wheel coupling 135kN
 | [ ]  | [ ]  | [ ]  |
| * B-triple lead trailer fifth wheel coupling 162kN
 | [ ]  | [ ]  | [ ]  |
| * B-triple second trailer fifth wheel coupling 135kN?
 | [ ]  | [ ]  | [ ]  |

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 trailer at the time of weighing (e.g. spare wheel/tyre(s), toolbox(s)etc. The stock crate/body, gates, effluent tanks, etc and OH&S equipment must be included.
* It is recommended that detailed photographs are taken of the vehicle at the time of weighing that capture all the standard equipment fitted.
* Attach all photos in the space provided at the end of Part B.
 |
| **Standard equipment list** |
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Additional equipment

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| 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 to the trailer after the time of weighing.
* It is recommended that detailed photographs are taken of the vehicle at the time of weighing that capture all the standard equipment fitted.
* 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 kingpin and rear axle group(s) due to fuel, AdBlue and water.
* Calculate the mass on the kingpin 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.
 |
| **Kingpin 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 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.
 |
| **Kingpin unladen mass (KP3)** | **kg** |
| **Rear axle unladen mass (R3)** | **kg** |
| **Trailer’s unladen mass with filled fluid reservoirs (less ullage), standard equipment and additional equipment (KP3+R3)** | **kg** |

Additional Information

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| **Photos of standard equipment** |
|  |
| **Weighbridge certificate** |
|  |
| **Weight distribution calculations from mass imposed on the steer 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 steer and rear axle group(s) due to any additional equipment fitted after the time of weighing** |
|  |

**Part C – S10 laden mass (Semitrailer)**

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| Deck area(s) on trailer  |
| * Draw a plan of the stock body/crate deck areas on the vehicle that is available for the carriage of livestock including the vehicle axle locations.
* 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.
 |
| **Drawing of deck(s)** |
|  |

|  |
| --- |
| Calculate S10 laden mass  |
| * A copy of weight distribution calculations must be attached to the end of Part C
* Apply 15,000kg vertically through the centre of the fifth wheel coupling to simulate loading from a laden semitrailer (if trailer is fitted with a fifth wheel coupling i.e. lead b-double & b-triple trailer and b-triple middle trailer)
 |
| Total Livestock area (all Decks)  | m2 |
| Kingpin S10 laden mass (F5) | kg |
| Rear axle group S10 laden mass (R5) | kg |
| Vehicle S10 laden mass (F5+R5) | kg |

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| --- | --- | --- | --- |
| **Modification Check Yes, no as applicable: (If No, do not proceed with the rating)** | Yes | No |  |
| **1** | Is the applicable vehicle S10 mass less than or equal to the values recorded above in the manufacturer’s mass ratings? | [ ]  | [ ]  |  |
| **2** | Is the maximum kingpin load less than or equal to 15,000kg? | [ ]  | [ ]  |  |

**Additional Information**

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

Part D - Vehicle details and declarations

AVE Authorisation

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| **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: |
|  |  |  |