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:** | |
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|  | |

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: |
|  |  |  |