### Vehicle and engine details

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Vehicle make: | | | | Vehicle model: | | | | | | | Month and year of manufacture: | | | | | | | |
|  | | | |  | | | | | | |  | | | | | | | |
| VIN (if applicable): | | | | Vehicle chassis no (if applicable): | | | | | | | Vehicle modifier (company name): | | | | | | | |
|  | | | |  | | | | | | |  | | | | | | | |
| Vehicle examined or details supplied by: | | | | | | | | | S3 design certificate no.: | | | | | | | | | |
|  | | | | | | | | |  | | | | | | | | | |
| Engine make/mode: | | Engine no.: | | | Rated power @ rpm: | | | | | Governed rpm: | | Max. torque @ rpm: | | | | | | |
|  | |  | | |  | kW @ |  | RPM | |  | |  | | Nm @ | |  | | RPM |
| Tail shaft series/size: | | | Manufacturer’s max. torque | | | | | | |  | | T800 torque @ rpm | | | | | | |
|  | mm (if applicable) | |  | | | | | Nm | |  | |  | Nm @ | |  | | RPM | |

### Component details

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Component | Make/model | | | | | | | Manufacturer’s max. GCM rating | | | Low/top ratios | | | | |
| Transmission |  | | | | | | |  | | kg | 1: |  | 1: | |  |
| Aux. transmission |  | | | | | | |  | | kg (if applicable) | 1: |  | 1: | |  |
| Rear axle(s) |  | | | | | | |  | | kg | 1: |  | 1: | |  |
| Rear suspension |  | | | | | | |  | | kg |  | | | | |
| Front axle(s) |  | | | | | | |  | | kg (if applicable) | 1: |  | 1: | |  |
| Front suspension |  | | | | | | |  | | kg (if applicable) |  | | | | |
| Tyres front |  | | | | | | |  | | |  | | | | |
| Tyres rear |  | | | | | | |  | | |  | | | | |
| Chassis section |  | | | | | | |  | | kg |  | | | | |
| Tow coupling / fifth wheel |  | | | | | | | D-rating |  | | | | | kN | |
| Tow coupling overhang | Applicable: | | | Yes |  | No |  | Amount |  | | | | | mm | |
| Wheelbase | mm | | |  | | | | Rear overhang |  | | | | | mm | |
| Modified GCM rating GCM assigned | | | Vehicle make/model, if used for comparison | | | | | | | | | | | | |
|  | | kg |  | | | | | | | | | | | | |

### Assessment

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| ****Assessment** Check Yes, No, N/A as applicable:** | | | | | **Yes** | **No** | **N/A** |
| 1 | Is the modified GCM within the component manufacturer’s limits? | | | |  |  |  |
| 2 | Does the chassis have adequate strength? (Have chassis strength calculations or details of reference vehicle model used for comparison been retained for future audit?) | | | |  |  |  |
| 3 | Are the cross-members and tow coupling specified in the design certificate adequate for any increase in GCM as outlined in VSB6 Section H and Section P? | | | |  |  |  |
| 4 | Does the design certificate specify the vehicle’s braking system and has it been assessed to ensure that the vehicle will comply with brake performance requirements at the modified GCM? | | | |  |  |  |
| 5 | Does the design certificate specify the tyre placard changes for the vehicle, if fitted, so that it records the correct tyre and rim sizes, axle configurations, axle loads and inflation pressures for the modified vehicle? | | | |  |  |  |
| 6 | Has gradeability been established to exceed 23% at the modified GCM? | Gradeability rating: |  | % |  |  |  |
| 7 | Has startability been established to exceed 13% at the modified GCM? | Startability rating: |  | % |  |  |  |
| 8 | Have all other modifications supporting the modified GCM rating been performed and certified in accordance with the relevant section(s) of VSB6? | | | |  |  |  |
| 9 | Do the vehicle specifications on the design certificate ensure that the vehicle will comply with all applicable Australian Design Rules (ADRs) at the changed GVM/GCM rating? | | | |  |  |  |

### 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? |  |  |  |

### 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 S3? |  |  |  |
| 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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **If the answer to any relevant question is NO, the modification is not acceptable.** | | | | |
| **Comments:** |  | | | |
| Issued by: | | Company (if applicable): | | AVE no.: |
|  | |  | |  |
| Signed: | | Modification certificate no.: | S3 design certificate no. issued: | Date: |
|  | |  |  |  |