### Vehicle and modifier details

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| --- | --- | --- |
| Vehicle make: | Vehicle model: | Month and year of manufacture: |
|  |  |  |
| VIN (if applicable): | Vehicle chassis no. (if applicable): | Vehicle modifier (company name): |
|  |  |  |

### Advanced braking systems

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| 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? | [ ]  | [ ]  | [ ]  |

### Modification details

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| --- | --- | --- | --- |
| Modification criteria Check Yes or No as applicable: | Yes | No |  |
| 1 | Has the modification been performed in accordance with the manufacturer’s guidelines? | [ ]  | [ ]  |  |

### Installation details

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| --- | --- | --- | --- |
| Coupling selection Check Yes, No, N/A as applicable: | Yes | No | N/A |
| 1 | Has the fifth wheel / kingpin been certified to Australian Design Rule (ADR) 62/.. ? | [ ]  | [ ]  |  |
| 2 | Is the D-Value of the fifth wheel or kingpin appropriate for the maximum legal GCM/ATM for the vehicle in combination? | [ ]  | [ ]  |  |
| Fifth wheel coupling installation Check Yes, No, N/A as applicable: | Yes | No | N/A |
| 3 | Is the type of fifth wheel suitable for the application of the vehicle combination?  | [ ]  | [ ]  | [ ]  |
| 4 | If the base plate is made of flat plate, is it at least 12 mm thick, or if a ripple plate is used is it constructed as per Figure 8 of Section P? | [ ]  | [ ]  | [ ]  |
| 5 | Do at least four M20 (3/4”) or six M16 (5/8”) bolts per side secure the attachment angles / fish plates to the web of the chassis rail? | [ ]  | [ ]  | [ ]  |
| 6 | Do at least four M20 (3/4”) or six M16 (5/8”) bolts per side, or at least 450 mm (total) of 10 mm fillet weld per side, secure the base plate to the attachment angles / fish plates? | [ ]  | [ ]  | [ ]  |
| 7 | Do at least four M20 (3/4”) or six M16 (5/8”) bolts per fifth wheel foot, or at least 450 mm (total) of 10 mm fillet weld per fifth wheel pedestal, secure the feet to the base plate?  | [ ]  | [ ]  | [ ]  |
| 8 | Are the attachment bolts ISO grade 8.8 (SAE Grade 5) or stronger? | [ ]  | [ ]  | [ ]  |
| 9 | Is each bolt used with a suitable self-locking nut?  | [ ]  | [ ]  | [ ]  |
| 10 | Is a hardened washer situated under each nut, as required by this modification code?  | [ ]  | [ ]  | [ ]  |
| 11 | In the case of an aluminium alloy chassis, is a hardened washer situated under each nut and bolt head? | [ ]  | [ ]  | [ ]  |
| 12 | Is the bolt hole clearance less than 1 mm?  | [ ]  | [ ]  | [ ]  |
| 13 | If the attachment angles are cut to accommodate a spring hanger, is there at least one bolt in close proximity to each side of the cut out, and are the bolts at least 50 mm away from any suspension mounting brackets bolt?  | [ ]  | [ ]  | [ ]  |
| 14 | On the attachment angle or fish plates, is there at least one bolt at least 50 mm forward of the leading edge of the base plate, and at least one bolt at least 50 mm rearward of the rear edge of the base plate?  | [ ]  | [ ]  | [ ]  |
| 15 | If attachment angles are used, are they at least 100 x 75 x 10 mm (4 x 3 x 3/8”) in dimension?  | [ ]  | [ ]  | [ ]  |
| 16 | If fish plates are used, is the thickness of the plates at least 10 mm, and are all bolt holes at least 50 mm from all edges? | [ ]  | [ ]  | [ ]  |
| Sliding assemblies Check Yes, No, N/A as applicable: | Yes | No | N/A |
| 17 | If a sliding fifth wheel assembly is used, is at least one bolt located at or beyond each end of travel of the slide plate? | [ ]  | [ ]  | [ ]  |
| 18 | Are slide stops on both slide rails attached at each end of travel?  | [ ]  | [ ]  | [ ]  |
| 19 | Is each slide stop secured by at least one grade 8.8 M16 bolt, a total of 125 mm of 10 mm weld on three sides of each stop, or built into the slider assembly? | [ ]  | [ ]  | [ ]  |
| 20 | Is the stop face of the slide stop free from weld? | [ ]  | [ ]  | [ ]  |
| 21 | Is the locking mechanism of the sliding fifth wheel assembly a positive locking type (including built in stops)? | [ ]  | [ ]  | [ ]  |

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| B-doubles and road trains Check Yes, No, N/A as applicable: | Yes | No | N/A |
| 22 | If the vehicle is for B-double or road train application, is the fifth wheel:* a single plate, single oscillating type; or
* is the vehicle designed to tow a torsionally rigid semi-trailer; and
* is the roll axis of the fifth wheel coupling above the surface of the couple plates of the coupling; and
* is the degree of rotation allowed around the roll axis of the fifth wheel coupling restricted to prevent roll instability?
 | [ ]  | [ ]  | [ ]  |
| 23 | For fifth wheels used, or intended for use, in a B-double or road train configuration is the strength of the coupling appropriate for multi-combination use? | [ ]  | [ ]  | [ ]  |
| 24 | If the trailer is intended for road train use, does the fifth wheel meet the requirements of ADR 63/.. | [ ]  | [ ]  | [ ]  |
| Kingpins Check Yes or No as applicable: | Yes | No |  |
| 1 | Is the kingpin installed in accordance with Australian Standards AS/NZS 4968.2:2003 and AZ/NZS 4968.3:2011 or the kingpin manufacturer’s instructions with the Australian Standards given priority in the event of a contradiction?  | [ ]  | [ ]  |  |
| 2 | Is the D-Value of the kingpin equal to or greater than that required for the rating of the trailer and its installation in conformance with the manufacturer’s recommendations?  | [ ]  | [ ]  |  |
| 3 | Does the kingpin have the correct protrusion below the trailer skid plate or wear plate?  | [ ]  | [ ]  |  |
| 4 | Is the kingpin within the dimensional limits given by AS/NZS 4968.3:2011?  | [ ]  | [ ]  |  |
| 5 | If any machining has been performed on the kingpin, has it been performed in accordance with the manufacturer’s specifications?  | [ ]  | [ ]  |  |
| 6 | If the trailer is intended for road train use, does the kingpin wheel meet the requirements of ADR 63/.. ? | [ ]  | [ ]  |  |

### Low friction plates (nylon, greaseless, Teflon etc.)

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| --- | --- | --- | --- |
| Fifth wheels Check Yes or No as applicable: | Yes | No |  |
| 1 | If a low friction (nylon, greaseless, Teflon) or other wear plate is fitted to the fifth wheel, has the fifth wheel manufacturer provided assurance regarding the suitability of the product and continued compliance with the strength and dimensional requirements of ADR62/.. and AS 4968.2? If this is unavailable, has the wear plate manufacturer provided evidence that the fifth wheel will continue to comply with the strength and dimensional requirements of ADR62/.. and AS 4968.2 with the low friction plate installed? | [ ]  | [ ]  |  |
| Skid plates Check Yes or No as applicable: | Yes | No |  |
| 2 | If a low friction (nylon, greaseless, Teflon) or other wear plate is fitted to a skid plate, has the kingpin been repositioned to maintain correct projection below the wear plate? | [ ]  | [ ]  |  |

### Compliance

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| --- | --- | --- | --- |
| Modification Check Yes or No as applicable: | Yes | No |  |
| 1 | Does this modification meet all the requirements of the manufacturer’s guidelines / Modification Code P2? | [ ]  | [ ]  |  |
| 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

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| **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: |
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