Vehicle and modifier details

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

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? | |  |  |  |

Modification details

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

Substitution details

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Suspension | | Check Yes, No, N/A as applicable: | Yes | No | N/A |
| 1 | Is the substituted suspension suitable for the application of the vehicle? | |  |  |  |
| 2 | Are the maximum load ratings, GVM and GCM rating of replacement suspension sufficient for the mass ratings of the modified vehicle? | |  |  |  |
| 3 | If a non-load sharing type of suspension is replacing a load sharing type of suspension, has the vehicle's GVM been reassessed in accordance with VSB6 Section S — Vehicle ratings? | |  |  |  |
| 4 | Is the substitute suspension assembled and fitted in accordance with the suspension manufacturer's recommendations or VSB6 (as applicable)? | |  |  |  |
| 5 | Is the replacement suspension assembly, including springs, bushes, pins and shock absorbers, in serviceable condition? | |  |  |  |
| 6 | Is the replacement suspension the correct width to suit the chassis? | |  |  |  |
| 7 | Regarding all welding on the axle housings and angle of installation, are the axle(s) installed in the substitute suspension in accordance with the axle manufacturer's instructions, the suspension manufacturer's instructions and VSB6 Section D — Rear axles or VSB6 Section E — Front axle steering wheels and tyres (as applicable)? | |  |  |  |
| 8 | Are all suspension brackets (spring hanger brackets, torque rod brackets and shock absorber brackets) positioned and attached to the chassis in accordance with the suspension manufacturer's requirements and the vehicle manufacturer's requirements (as applicable)? | |  |  |  |
| 9 | Are all suspension brackets attached to the web of the chassis by at least ISO 10.9 (SAE Grade 8) bolts with self-locking nuts? | |  |  |  |
| 10 | Are all suspension bolts tightened to the correct torque? | |  |  |  |
| 11 | Are all suspension substitution-related chassis alterations, including the fitting of additional cross members, performed and certified in accordance with VSB6 Section H — Chassis? | |  |  |  |
| 12 | Is there clearance for all components under full suspension travel? | |  |  |  |
| 13 | Is the variable ride height or constant ride height mechanism, as fitted, adjusted in accordance with the suspension manufacturer's recommendations? | |  |  |  |

Compliance

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Modification | | Check Yes, No as applicable: | Yes | No |  |
| 1 | Does this modification meet all the requirements of the manufacturer’s guidelines / Modification Code F1? | |  |  |  |
| 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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **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: |
|  | |  |  |  |