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

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

Installation details

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Chassis | | Check Yes, No, N/A as applicable: | Yes | No | N/A |
| 1 | Are all of the dimensions of the chassis rail (including all sections of a multichannel chassis) identical to that offered by the manufacturer for the equivalent model or acceptable as per the relevant engineer’s calculation? | |  |  |  |
| 2 | Are the dimensions of the additional reinforcement identical to those stated in the manufacturer’s guidelines or in the calculations? | |  |  |  |
| 3 | Are the material specifications and tensile yield strength of the original chassis rail, chassis rail extension and additional reinforcement compatible? | |  |  |  |
| 4 | Is the modified chassis of sufficient strength for the proposed application? | |  |  |  |
| 5 | Is the stress at maximum load less in the modified chassis than in a standard unmodified vehicle with the same chassis and an equal or longer wheelbase, or within the acceptable factor of safety as per relevant engineer’s calculations? | |  |  |  |
| 6 | Is the type of additional reinforcement as per manufacturer's recommendations or as per VSB6 Section H? | |  |  |  |
| 7 | Is the location and attachment of additional reinforcement as per the manufacturer's recommendations or VSB6 Section H? | |  |  |  |
| 8 | Are all the additional cross members of the same design, material specifications, dimension and equivalent attachment as that offered by the manufacturer for the original vehicle? | |  |  |  |
| 9 | Is the spacing of the cross members on the modified chassis no more than the manufacturer's standard cross member spacing for that model vehicle, as per the manufacturer’s recommendations or alternatively this VSB6 Section H? | |  |  |  |
| 10 | Are the chassis modifications in accordance with the manufacturer's recommendations or, where the manufacturer's recommendations are unavailable, VSB6 Section H? | |  |  |  |
| Vehicle braking system | | Check Yes, No, N/A as applicable: | Yes | No | N/A |
| 11 | Has the vehicle been shown to comply with the requirements of applicable VSB6 Section G — Brakes? | |  |  |  |
| 12 | Has the *vehicle stability system*, if fitted, been validated by the vehicle or equipment manufacturer as being correctly set up for the changed specification? | |  |  |  |
| Welding | | Check Yes, No, N/A as applicable: | Yes | No | N/A |
| 13 | Has welding been performed in accordance with the manufacturer's recommendations, or, where the manufacturer's recommendations are unavailable, VSB6? | |  |  |  |
| 14 | Has the welding been performed by a suitably qualified tradesperson and to accepted industry standards? | |  |  |  |
| Heat treated chassis rail | | Check Yes, No, N/A as applicable: | Yes | No | N/A |
| 15 | When establishing the size of additional reinforcement, has allowance been made for the reduction in material strength due to welding? | |  |  |  |
| Driveline Check Yes, No, N/A as applicable: | | Check Yes, No, N/A as applicable: | Yes | No | N/A |
| 16 | Have the modification(s) to the driveline been completed in accordance with VSB6 Section B — Transmissions and VSB6 Section C — Tail shafts, as applicable. | |  |  |  |

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 H2? | |  |  |  |
| 2 | Is the quality of the work to an accepted industry standard? | |  |  |  |
| 3 | Does the modified vehicle satisfy the requirements of the relevant heavy vehicle standards regulation and regulation mass limits imposed by the relevant heavy vehicle regulator? | |  |  |  |
| 4 | Have all of the modification details and all calculations applicable to the modification been recorded in accordance with the record keeping requirement of VSB6? | |  |  |  |
| 5 | 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: |
|  | |  |  |  |