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

### Type of steering conversion

|  |  |
| --- | --- |
| Component modified  | Type of modification / describe components used |
| [ ]  **Additional steering axle** | [ ]  Deleted |  |
| [ ]  Retained |  |
| [ ]  Added |  |
| [ ]  Modified |  |
| [ ]  **Change of steering axle** | [ ]  Deleted |  |
| [ ]  Retained |  |
| [ ]  Added |  |
| [ ]  Modified |  |
| [ ]  **LH/RH conversion** | [ ]  Deleted |  |
| [ ]  Retained |  |
| [ ]  Added |  |
| [ ]  Modified |  |
| [ ]  **Dual steering control** | [ ]  Deleted |  |
| [ ]  Retained |  |
| [ ]  Added |  |
| [ ]  Modified |  |
| [ ]  **Change of steering box** | [ ]  Deleted |  |
| [ ]  Retained |  |
| [ ]  Added |  |
| [ ]  Modified |  |
| [ ]  **Other (describe)** | [ ]  Deleted |  |
| [ ]  Retained |  |
| [ ]  Added |  |
| [ ]  Modified |  |

### Describe modified steering system and include diagram (attach to file)

|  |
| --- |
|  |

### Component modifications and method of safety assessment

|  |  |  |
| --- | --- | --- |
| Component name | Modification | Safety assessment method (tick box if supplying evidence) |
|  |  | Physical test results | Stress calculation | Penetrant dye check | Hardness test results | Drawings or sketches | Photographs |
|  |  |[ ] [ ] [ ] [ ] [ ] [ ]
|  |  |[ ] [ ] [ ] [ ] [ ] [ ]
|  |  |[ ] [ ] [ ] [ ] [ ] [ ]
|  |  |[ ] [ ] [ ] [ ] [ ] [ ]
|  |  |[ ] [ ] [ ] [ ] [ ] [ ]
|  |  |[ ] [ ] [ ] [ ] [ ] [ ]
|  |  |[ ] [ ] [ ] [ ] [ ] [ ]

|  |  |  |
| --- | --- | --- |
| Component name | Modification | Safety assessment method (tick box if supplying evidence) |
| Material specifications | Details of heat treatment | Other |
|  |  | [ ]  | [ ]  | [ ]  |
|  |  | [ ]  | [ ]  | [ ]  |
|  |  | [ ]  | [ ]  | [ ]  |
|  |  | [ ]  | [ ]  | [ ]  |
|  |  | [ ]  | [ ]  | [ ]  |
| If any of the evidence required is not available, state reason: |  |

### Installation details

|  |  |  |  |
| --- | --- | --- | --- |
| Modification  |  |  |  |
| 1 | What is the steering power source? | [ ]  | Manual | [ ]  | Hydraulic | [ ]  | Other (describe) |  |
| 2 | Has the maximum stress on original components been increased by the modification? | Yes | [ ]  | No | [x]  |
| 3 | How are original components assessed as functionally safe if the stress is greater than the original stress input? |  |
| 4 | With power assisted steering systems, state relief valve pressure setting? | Original |  | kPa | Modified |  | kPa |
| 5 | What is the turning circle in meters of vehicle? | Original |  | m | Modified |  | m |
| 6 | What is the steering effort at the steering wheel of the modified vehicle fully laden when tested in accordance with VSB6 Section E — Front axle steering wheels and tyres? | Normal operation |  | Kg | Full power source failure |  | Kg |
| 7 | Maximum permissible weight per axle? | Standard |  | Kg | Modified |  | Kg |
| 8 | Does this conversion have in-principle approval from the original equipment manufacturer (OEM)? | Yes | [ ]  | No | [ ]  |
| 9 | Evidence of approval from OEM |  |

### Authorisation

|  |  |
| --- | --- |
| **Comments:** |  |
| Examined by: | Company (if applicable): | AVE no.: |
|  |  |  |
| Signed: | Modification certificate no.: | Modification plate no.: | Date: |
|  |  |  |  |