|  |  |  |
| --- | --- | --- |
| 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 | |
|  |  |  | |  | |  | |  | |  | |  |
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| --- | --- | --- | --- | --- | --- | --- | --- |
| 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 | | | |  |
| 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: |
|  | |  |  |  |