|  |  |
| --- | --- |
| Vehicle details | Report no.: |
|  |
| |  |  |  | | --- | --- | --- | | Vehicle make: | Vehicle model: | Month and year of manufacture: | |  |  |  | | VIN (if applicable): | Vehicle chassis no. (if applicable): | Vehicle modifier (company name): | |  |  |  | | Chassis material: | Chassis material yield stress: | Weld material: | |  |  |  | | Reinforcing material: | Reinforcing material yield stress: | Weld process: | |  |  |  | | |

Data details

|  |  |  |  |
| --- | --- | --- | --- |
| Data item | Total | Front axles / point of articulation | Rear axles |
| Tare weight |  |  |  |
| Body and payload |  |  |  |
| Axle(s) capacity |  |  |  |
| Tyres capacity |  |  |  |
| Current regulatory limit |  |  |  |

Calculations

|  |  |  |  |
| --- | --- | --- | --- |
| Data item | Total | Front axles / point of articulation | Rear axles |
| Load reactions |  |  |  |
| Section modulus-distribution |  |  |  |
| Bending moment (max) |  |  |  |
| Critical stresses |  |  |  |
| Factor of safety on yield |  |  |  |
| Location of welded joints |  |  |  |
| Stress at welded joints |  |  |  |

Authorisation

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