|  |  |
| --- | --- |
| 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): | |  |  |  | | |

### Average operating pressure (AOP)

Average operating pressure as per Australian Design Rule (ADR) definitions; data as defined by the original manufacturer or, if not available, as below:

|  |  |  |
| --- | --- | --- |
| 1. Maximum compressor cut-out pressure (A) = |  | kPa |
| 2. Highest compressor cut-in pressure (B) if measurable, otherwise as (A).= |  | kPa |
| 3. Average operating pressure = A + B = |  | kPa |

### Reservoir capacity (combined)

|  |  |  |  |
| --- | --- | --- | --- |
| Maximum combined required capacity | Refer ADR 35/.. Special provisions for systems using stored energy, except spring brake systems | | |
| 1. Existing brake chamber swept volume = | |  | cm3 |
| 2. Additional brake chamber swept volume = | |  | cm3 |
| 3. Total swept volume (C) = | |  | cm3 |
| 4. Required reservoir capacity = C x 12 = | |  | cm3 |
| Actual combined reservoir capacity | | | |
| 5. Existing reservoir/s = | |  |  |
| 6. Additional reservoir/s = | |  |  |
| 7. Total = | |  |  |

### Compressor recharge performance

|  |  |  |
| --- | --- | --- |
| Refer ADR 35/.. Special provisions for systems using stored energy, except spring brake systems | | |
| 1. Performance | |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | From |  | kPa to |  | kPa at |  | RPM engine speed | | |
| 2. Allowable time = | **Actual reservoir capacity** = (f) x 25 seconds | **Required reservoir capacity** = (d) |
| 3. Actual time = | |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | **Test 1** |  | Secs **Test 2** |  | Secs **Test 3** |  | secs | | |

### 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: |
|  | |  |  |  |