Vehicle and modifier details

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

Engine details

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Engine no. |  | Engine make |  | Engine model |  | Capacity |  |

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-effected 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

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Frame | | Check Yes, No, N/A as applicable: | Yes | No | N/A |
| 1 | Do chassis rail cut-outs satisfy manufacturer recommendations or VSB6 Section H – Chassis? | |  |  |  |
| 2 | Have all cross-members that have been removed been replaced with an original manufacturer-supplied like-for-like cross member or a cross member as per VSB6 Section H – Chassis? | |  |  |  |
| Engine | | Check Yes, No, N/A as applicable: | Yes | No | N/A |
| 1 | What is the maximum acceptable inlet depression? | |  | | |
| 2 | What inlet depression was measured? | |  | | |
| 3 | Is the measured depression within the acceptable inlet depression? | |  |  |  |
| 4 | What is the maximum acceptable exhaust back pressure? | |  | | |
| 5 | What exhaust back pressure was measured? | |  | | |
| 6 | Is the measured pressure within the acceptable exhaust back pressure? | |  |  |  |
| 7 | Does the engine air induction system, inlet depression and exhaust back pressure within acceptable limits to ensure compliance with Australian Design Rule (ADR) 30, ADR 30/.. and/or ADR 80/.. as applicable? | |  |  |  |
| 8 | Does the air compressor or the vacuum pump for brakes meet the required performance for ADR 35/.. (specifically sections relating to ‘Special Provisions for Systems Using ‘Stored Energy’ (except Spring Brake Systems)’? | |  |  |  |
| 9 | Has the replacement air compressor or vacuum pump for the brakes been replaced in accordance with VSB6 Section G — Brakes? | |  |  |  |
| 10 | Has adequate protection been provided for all hoses, wiring harnesses, rubber and plastic components? | |  |  |  |
| 11 | Are fuel lines secure and clear of the exhaust system and any turbocharger? | |  |  |  |
| 12 | Does the engine installation comply with all applicable ADRs at the time of manufacture or later? | |  |  |  |
| 13 | Is a diesel engine stop control fitted which will prevent accidental or inadvertent starting? (diesel engines only) | |  |  |  |
| 14 | Are engine mountings suitable for automotive use and designed to withstand vertical and torsional loads transmitted by replacement engine? | |  |  |  |
| 15 | Does the engine have adequate clearance including between axle, chassis and cab? | |  |  |  |
| 16 | Does the engine have performance requirements to permit the vehicle to match or exceed the manufacturer’s grade-ability specification or the grade-ability requirements in VSB6 modification codes S3, S8 or S9? | |  |  |  |
| 17 | Does the fuel system meet the engine manufacturer’s requirements for fuel filtration, cooling and suction lift? | |  |  |  |

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 A1? | |  |  |  |
| 2 | Is the quality of the work to an accepted industry standard? | |  |  |  |
| 3 | 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: |
|  | |  |  |  |