

HEAVY VEHICLE MODIFICATIONS

Checklist A1

ENGINE SUBSTITUTION

(Y=Yes, N=No, N/A =Not Applicable)

1.0 Frame

- 1.1 Do frame rail cut outs satisfy either the manufacturer's recommendations or those outlined in Section H of this National Code of Practice?
- 1.2 Have all cross members that have been removed been replaced?

2.0 Engine

- 2.1 Does the engine air induction and exhaust system meet the design criteria relevant to the engine being installed?
- 2.2 Does the air compressor or the vacuum pump for brakes meet the required performance for ADR 35 (Sections relating to "Special Provisions for Systems Using 'Stored Energy' (except Spring Brake Systems)")?
- 2.3 Has adequate protection been provided for all hoses, wiring harnesses, rubber and plastic components?
- 2.4 Are fuel lines secure and clear of the exhaust system and turbocharger?
- 2.5 Does the engine installation comply with all applicable ADR's (i.e. smoke, noise etc.)?
- 2.6 Is all heat and sound insulation as originally fitted retained or augmented as required?
- 2.7 Is a diesel engine stop control fitted which will prevent accidental or inadvertent starting? (Applicable to diesel engines only.)
- 2.8 Are the engine mountings designed to withstand the vertical and torsional loads transmitted by the replacement engine?
- 2.9 Does the engine have adequate clearance between axle, chassis and cab?
- 2.10 Does the replacement engine have the performance requirements to permit the vehicle to match or exceed the manufacturer's gradeability specification or the gradeability requirements in Code S3 of VSB6 Section S?
- 3.0 General**
- 3.1 Is the quality of work to a satisfactory standard?

NOTE: If the answer to any relevant question is "NO", the modification is not acceptable.

HEAVY VEHICLE MODIFICATIONS

Vehicle Chassis No/VIN:

Vehicle Modifier:

Examined by:

Company (if applicable):

Certifying Officer No:

Modification Cert No:

Signed when printed:

Date: