

Heavy Vehicle Specialist Certificate

Must be presented to a Transport Service Delivery Agent
Heavy Vehicle Specialist Inspector and Inspecting Organisation

Heavy Vehicle Specialist Inspector's or Manufacturing Inspecting Organisation's Name (PRINT IN CAPS) **BRUCE SUTTON** ID **BJS**

Vehicle Registration* VIN/Chassis Number **7A9E35019E1023265**

Component being certified:

| | | |
|---|---|---|
| <input type="checkbox"/> Chassis Modification | <input type="checkbox"/> Load Anchorage | <input type="checkbox"/> Log Bolsters |
| <input type="checkbox"/> Towing Connection | <input type="checkbox"/> Brakes | <input checked="" type="checkbox"/> SRT |
| <input type="checkbox"/> PSV Stability | <input type="checkbox"/> PSV Rollover | <input type="checkbox"/> Swept Path |
| <input type="checkbox"/> PBS | | |

Certification Category **HVS2**

Description of Work **Certify SRT- 5axle full Trailer**

Code/Standard/Rule Certified to **NZTA Rule 41001: 2002**

Component Load Rating(s)
X1=4.25m / Y1=27T
Y2= 35T / X2= 3.86m
Load Type: Uniform Density

General Drawing Number(s)

Supporting Documents **SRT Compliance Cert # S648**

Special Conditions* **As Above**

Certification Expiry Date (if applicable)

or Hubodometer Reading (whichever comes first)

Declaration

I the undersigned, declare that I am the Heavy Vehicle Specialist Inspector identified and I hold a current valid appointment. I certify that the above mentioned vehicle component's design, manufacture and installation, and this certification complies in all respects with the Land Transport Rule: Vehicle Standards Compliance 2002 and my Appointment. To the best of my knowledge the information contained in the Certificate is true and correct.

Designer's ID (if different from inspector below)

Inspector's Signature **[Signature]**

Inspector's Name (PRINT IN CAPS) ID Number

Date **4/8/2014** Number **470918**

CoF Vehicle Inspector ID CoF Vehicle Inspector Signature Date

All fields excluding those marked with * must be completed before this certificate can be accepted.



Static Roll Threshold Compliance Certificate

Name of vehicle owner:

Address:

SRT Compliance Certificate no:

Vehicle Identification No.(VIN):

Vehicle chassis No:

Current vehicle registration:

Type of vehicle:

No of axles in front set: 2

Deck length of vehicle:

Maximum height of load or vehicle body:

Front suspension type:

Rear suspension type:

I, Bruce Sutton of Domett Truck and Trailer, PO Box 5215, Mt Maunganui certify that at the time of inspection this vehicle achieved a rating on a Static Roll Threshold test as follows:

Using standard load type: Uniform density

Description: Assumes load mass is centred midway vertically between load bed and load height.

At a max. load height of 4.25 metres and a max. allowable gross mass of 35 tonnes, the SRT is 0.32g. This vehicle fails to meet the minimum SRT standard of 0.35g. It will meet the standard if:

- (a) At maximum load height of 4.25 metres, the maximum allowable gross mass is 27.9 tonnes.
- or (b) At maximum gross mass of 35 tonnes, the maximum allowable load height is 3.86 metres.

The vehicle achieves the minimum SRT of 0.35g at the following weight and height combinations:

| Gross Mass (tonnes) | Load Height (m) |
|---------------------|-----------------|
| 35 | 3.86 |
| 34 | 3.9 |
| 33 | 3.95 |
| 32 | 4.01 |
| 31 | 4.05 |
| 30 | 4.11 |
| 29 | 4.17 |
| 28 | 4.23 |
| 27 | 4.25 |

Note: Calculated load heights greater than the legal limit of 4.25m have been set to 4.25m

Results of SRT test to be displayed on Certificate of Loading

X1 = 4.25 metres / Y1 = 27 tonnes ; Y2 = 35 tonnes / X2 = 3.86 metres.

The type of test carried out to establish this rating was: LTSA SRT Calculator Version 1.32c

Summary Input Data used for calculation.

Tyre Data:

| Axle | Tyre Size: | Tyre Configuration: |
|------|------------|---------------------|
| 1 | 19.5 | Dual |
| 2 | 19.5 | Dual |
| 3 | 19.5 | Dual |
| 4 | 19.5 | Dual |
| 5 | 19.5 | Dual |

Body Style is Standard

Mass and Suspension Data:

| Inputs | Front | Rear |
|-----------------------------------|---------------------------|---------------------------|
| Gross mass (kg): | 16000 | 19000 |
| Payload mass (kg): | 12780 | 15660 |
| Tare mass (kg): | 3220 | 3340 |
| Average load bed height (m): | 1.20 | |
| Average load height (m): | 4.25 | |
| Suspension type: | User Defined | User Defined |
| Suspension track width (m): | 0.94 | 0.94 |
| Lash (mm): | 90 | 90 |
| Suspension brand/model: | SAF Intradisc IU25/2000RZ | SAF Intradisc IU25/2000RZ |
| Roll stiffness/axle (Nm/radian): | 1200000 | 1200000 |
| Spring stiffness/spring (N/m): | 470000 | 470000 |
| Roll centre height from axle (m): | 0.05 | 0.05 |

I certify that I am a vehicle inspector appointed under section 2 of Land Transport Rule: Vehicle Standards Compliance 2002. I certify that this certificate complies in all respects with the applicable requirements in that rule, and that, to the best of my knowledge, the information in this certificate is true and correct

Signed:



Vehicle Inspector/Inspecting Organisation No **BJS**
SRT Compliance Certificate no:

Name: **Bruce Sutton**

Date: **4/8/2014**
S648

