

Heavy Vehicle Specialist Certificate

Must be presented to a CoF (Heavy) Inspecting Organisation
 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 **7A9E3501XF1023342**

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 = 29T
Y2 = 35T / X2 = 3.95m
 General Drawing Number(s) **Load Type: Uniform Density**

Supporting Documents
SRT Compliance Cert # S705

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 **Bruce Sutton**

Inspector's Name (PRINT IN CAPS) ID Number

Date **15/4/15.** Number **498925**

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:

Balle Bros Transport Ltd

Address:

SRT Compliance Certificate no:

S705

Vehicle Identification No. (VIN):

7A9E3501XF1023342

Vehicle chassis No:

1342

Current vehicle registration:

Type of vehicle:

Full-Trailer

No of axles in front set: 2

No of axles in rear set: 3

Deck length of vehicle:

8.3 metres

Maximum height of load or vehicle body:

4.25 metres

Front suspension type:

User Defined

Rear suspension type:

User Defined

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 0.33g
 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 29.3 tonnes.
- or (b) At maximum gross mass of 35 tonnes, the maximum allowable load height is 3.95 metres.

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

Gross Mass (tonnes)	Load Height (m)
35	3.95
34	4
33	4.05
32	4.09
31	4.14
30	4.2
29	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 = 29 tonnes ; Y2 = 35 tonnes / X2 = 3.95 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):	12560	15680
Tare mass (kg):	3440	3320
Average load bed height (m):	1.24	
Average load height (m):	4.25	
Suspension type:	User Defined	User Defined
Suspension track width (m):	0.98	0.98
Lash (mm):	100	100
Suspension brand/model:	BPW AMT-0003NZ	BPW AMT-0004NZ
Roll stiffness/axle (Nm/radian):	1465809	1465809
Spring stiffness/spring (N/m):	150000	150000
Roll centre height from axle (m):	0.108	0.088

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: **15/4/2015**

S705