



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 Name (PRINT IN CAPS)

BRUCE SUTTON

ID
BJS

Vehicle Registration*

VIN / Chassis Number

7A9D35015D1023211

Component being certified:

- Chassis Modification
- Load Anchorage
- Log Bolsters
- Towing Connection
- Brakes
- SRT
- PSV Stability
- PSV Rollover
- Swept Path
- PBS

Certification Category

HVS2

Description of Work

Certify SRT- 4 axle full trailer

Code/Standard Certified to

NZTA Rule 41001 : 2002

Component Load Rating(s)

X1=4.25m / Y1=24T

General Drawing Number(s)

Y2=32T / X2=3.84m

Load Type Uniform Density

Supporting Documents

SRT Compliance Cert # S617

*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 above 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 Deed of Appointment. To the best of my knowledge the information contained in this Certificate is true and correct.

Designer's ID (if certified by a manufacturer)

Inspector's / Delegate's Signature

Bruce Sutton

*Delegate's/Inspector's Name (PRINT IN CAPS)

ID number

Date

23/2/2014

Number

445137

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: S617

Vehicle Identification No.(VIN): 7A9D35015D1023211

Vehicle chassis No: 1211

Current vehicle registration:

Type of vehicle: Full-Trailer

No of axles in front set: 2 No of axles in rear set: 2

Deck length of vehicle: 7.0 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 32 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 24.6 tonnes.
- or (b) At maximum gross mass of 32 tonnes, the maximum allowable load height is 3.84 metres.

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

Gross Mass (tonnes)	Load Height (m)
32	3.84
31	3.89
30	3.94
29	3.99
28	4.04
27	4.09
26	4.15
25	4.21
24	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 = 24 tonnes ; Y2 = 32 tonnes / X2 = 3.84 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

Body Style is Standard

Mass and Suspension Data:

Inputs	Front	Rear
Gross mass (kg):	16000	16000
Payload mass (kg):	12800	13620
Tare mass (kg):	3200	2380
Average load bed height (m):	1.24	
Average load height (m):	4.25	
Suspension type:	User Defined	User Defined
Suspension track width (m):	0.99	0.99
Lash (mm):	300	300
Suspension brand/model:	Hendrickson AANT 23K	Hendrickson AANT 23K
Roll stiffness/axle (Nm/radian):	1327085	1327085
Spring stiffness/spring (N/m):	350000	350000
Roll centre height from axle (m):	0.102	0.102

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:



Name: **Bruce Sutton**

Vehicle Inspector/Inspecting Organisation No **BJS**

Date: **25/2/2014**

SRT Compliance Certificate no:

S617