



Heavy Vehicle Specialist Certificate

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

7A9D15023B0023936

Component being certified:

Chassis Modification

Load Anchorage

Log Bolsters

Towing Connection

Brakes

SRT

Certification Category

HVS2

Description of Work

Certify SRT- 4 axle Semi Trailer

Code/Standard Certified to

NZTA Rule 41001: 2002

Component Load Rating(s)

X1 = 4.25m / Y1 = 22 Tonnes

Y2 = 24 Tonne / X2 = 4.16m.

General Drawing Number(s)

Supporting Documents

SRT Compliance Cert # S426

*Special Conditions

As Above

Certification Expiry Date (if applicable)

or

Hubodometer Reading (whichever comes first)

Empty grid for hubodometer reading

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 Name (PRINT IN CAPS)

Date

28/1/2011

Number

342621

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: S426

Vehicle Identification No.(VIN): 7A9D15023B0023936

Vehicle chassis No: 936

Current vehicle registration:

Type of vehicle: Semi-Trailer

No of axles in front set: 0 No of axles in rear set: 4

Deck length of vehicle: 15.16 metres

Maximum height of load or vehicle body: 4.25 metres

Front suspension type: none

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

At a max. load height of 4.25 metres and a max. allowable gross mass of 24 tonnes, the SRT is 0.34g

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 22.9 tonnes.
- or (b) At maximum gross mass of 24 tonnes, the maximum allowable load height is 4.16 metres.

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

Gross Mass (tonnes)	Load Height (m)
24	4.16
23	4.23
22	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 = 22 tonnes ; Y2 = 24 tonnes / X2 = 4.16 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	Rear
Gross mass (kg):	24000
Payload mass (kg):	18060
Tare mass (kg):	5940
Average load bed height (m):	1.31
Average load height (m):	4.25
Suspension type:	User Defined
Suspension track width (m):	0.92
Lash (mm):	110
Suspension brand/model:	ROR FL9000NB-325
Roll stiffness/axle (Nm/radian):	1014854
Spring stiffness/spring (N/m):	178000
Roll centre height from axle (m):	0.115

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: **28/1/2011**

SRT Compliance Certificate no:

S426