



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

7A9D35013D1023210

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

Y2 = 3.2T / X2 = 3.84m

Load Types: Uniform Density

General Drawing Number(s)

Supporting Documents

SRT Compliance Cert #5613

*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

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

ID number

Date

5/02/2014

Number

445133

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: Nupin Distributors Ltd
 Address:
 SRT Compliance Certificate no: S613
 Vehicle Identification No.(VIN): 7A9D35013D1023210
 Vehicle chassis No: 1210
 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 24.7 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	4.22
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.

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):	12780	13600
Tare mass (kg):	3220	2400
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 **BJ5**

Date: **5/2/2014**

SRT Compliance Certificate no:

S613