



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

7A9D2001XA0023924

Component being certified:

Chassis Modification

Load Anchorage

Log Bolsters

Certification Category

HVS2

Towing Connection

Brakes

SRT

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 = 27 Tonnes

General Drawing Number(s)

Y2 = 32 Tonnes / X2 = 4 metres

Supporting Documents

Compliance Cert # S421

*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

B. Sutton

*Delegate's Name (PRINT IN CAPS)

Date

14/12/2010

Number

342616

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: K&S Freighters
Address: 3847 Te Awamutu Road,
Cambridge
SRT Compliance Certificate no: S421
Vehicle Identification No.(VIN): 7A9D2001XA0023924
Vehicle chassis No: 924
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: 11.3 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 32 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 27.6 tonnes.
or (b) At maximum gross mass of 32 tonnes, the maximum allowable load height is 4 metres.

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

Gross Mass (tonnes)	Load Height (m)
32	4
31	4.05
30	4.1
29	4.15
28	4.21
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 = 32 tonnes / X2 = 4 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):	12700	12720
Tare mass (kg):	3300	3280
Average load bed height (m):	1.08	
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 IU28/2005RZ	SAF INTRADISC IU28/2005RZ
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: 

Name: Bruce Sutton

Vehicle Inspector/Inspecting Organisation No BJS

Date: 14/12/2010

SRT Compliance Certificate no:

S421