



# 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\*

R953S

VIN / Chassis Number

7A9D20013B0023930

Component being certified:

Chassis Modification

Load Anchorage

Log Bolsters

Certification Category

HVS2

Towing Connection

Brakes

SRT

Description of Work

Certify SRT- 5 axle full trailer

Code/Standard Certified to

NZTA Rule 41001:2002

Component Load Rating(s)

X1 = 4.25m / Y1 = 31 tonnes

Y2 = 35 tonnes / X2 = 4.04m

Load Type: Uniform Density

General Drawing Number(s)

Supporting Documents

SRT Compliance Cert # S561

\*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 Name (PRINT IN CAPS)

Date

29/8/13

Number

419049

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 Ltd  
Address:  
SRT Compliance Certificate no: S561  
Vehicle Identification No.(VIN): 7A9D20013B0023930  
Vehicle chassis No: 930  
Current vehicle registration: R953S  
Type of vehicle: Full-Trailer  
No of axles in front set: 2 No of axles in rear set: 3  
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 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 31.2 tonnes.
- or (b) At maximum gross mass of 35 tonnes, the maximum allowable load height is 4.04 metres.

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

Gross Mass (tonnes)	Load Height (m)
35	4.04
34	4.09
33	4.14
32	4.19
31	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 = 31 tonnes ; Y2 = 35 tonnes / X2 = 4.04 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 Configurations:
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):	12460	15020
Tare mass (kg):	3540	3980
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 **BJ5**

Date: **29/8/2013**

SRT Compliance Certificate no:

S561