



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

7A9C20039D1023196

Component being certified:

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

Certification Category

HVS2

Description of Work

Certify SRT - 3 axle B-Train - Front Unit

Code/Standard Certified to

NZTA Rule 41001:2002

Component Load Rating(s)

X1 = 4.25m / X1 = 19T

X2 = 19T / X2 = 4.25

General Drawing Number(s)

Load Type Uniform Density

Supporting Documents

SRT Compliance Cert # S578A (Front Unit Separate)

SRT Compliance Cert # S578B (with rear Unit attach imposed tare)

*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

13/11/2013

Number

445116

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: **Freightlines Limited**
 Address:
 SRT Compliance Certificate no: **S578A**
 Vehicle Identification No.(VIN): **7A9C20039D1023196**
 Vehicle chassis No: **1196**
 Current vehicle registration:
 Type of vehicle: **Semi-Trailer**
 No of axles in front set: **0** No of axles in rear set: **3**
 Deck length of vehicle: **8.19 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 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 19 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 16.9 tonnes.
- or (b) At maximum gross mass of 19 tonnes, the maximum allowable load height is 4.05 metres.

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

Gross Mass (tonnes)	Load Height (m)
19	4.05
18	4.14
17	4.22
16	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 = 16 tonnes ; Y2 = 19 tonnes / X2 = 4.05 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

Body Style is Step deck

Inputs	Front	Rear
Load bed height (m):	1.43	1.10
Deck length (m):	4.11	4.08

Mass and Suspension Data:

Inputs	Rear
Gross mass (kg):	19000
Payload mass (kg):	15300
Tare mass (kg):	3700
Average load bed height (m):	1.27
Average load height (m):	4.25
Suspension type:	User Defined
Suspension track width (m):	0.94
Lash (mm):	90
Suspension brand/model:	SAF INTRADISC IU25/2000RZ
Roll stiffness/axle (Nm/radian):	1200000
Spring stiffness/spring (N/m):	470000
Roll centre height from axle (m):	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: **13/11/2013**

SRT Compliance Certificate no:

S578A



Static Roll Threshold Compliance Certificate

Name of vehicle owner: Freightlines Limited
Address:
SRT Compliance Certificate no: S578B (with rear unit attached)
Vehicle Identification No.(VIN): 7A9C20039D1023196
Vehicle chassis No: 1196
Current vehicle registration:
Type of vehicle: Semi-Trailer
No of axles in front set: 0 No of axles in rear set: 3
Deck length of vehicle: 8.19 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 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 19 tonnes, the SRT is 0.35g

This vehicle meets or exceeds the minimum SRT standard of 0.35g.

Results of SRT test to be displayed on Certificate of Loading
X1 = 4.25 metres / Y1 = 19 tonnes ; Y2 = 19 tonnes / X2 = 4.25 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

Body Style is Step deck

Inputs	Front	Rear
Load bed height (m):	1.43	1.10
Deck length (m):	4.11	4.08

Mass and Suspension Data:

Inputs	Rear
Gross mass (kg):	19000
Payload mass (kg):	13840
Tare mass (kg):	5160
Average load bed height (m):	1.27
Average load height (m):	4.25
Suspension type:	User Defined
Suspension track width (m):	0.94
Lash (mm):	90
Suspension brand/model:	SAF INTRADISC IU25/2000RZ
Roll stiffness/axle (Nm/radian):	1200000
Spring stiffness/spring (N/m):	470000
Roll centre height from axle (m):	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: **13/11/2013**

SRT Compliance Certificate no:

S578B (with rear unit attached)