

# Heavy Vehicle Specialist Certificate

Must be presented to a CoF (Heavy) Inspecting Organisation  
 Heavy Vehicle Specialist Inspector and Inspecting Organisation

Heavy Vehicle Specialist Inspector's or Manufacturing Inspecting Organisation's Name (PRINT IN CAPS)

**BRUCE SUTTON**

ID

**BJS**

Vehicle Registration\*

VIN/Chassis Number

**7A9C20031F1023373**

Component being certified:

- |   |   |   |
|---|---|---|
| <input type="checkbox"/> Chassis Modification | <input type="checkbox"/> Load Anchorage | <input type="checkbox"/> Log Bolsters   |
| <input type="checkbox"/> Towing Connection    | <input type="checkbox"/> Brakes         | <input checked="" type="checkbox"/> SRT |
| <input type="checkbox"/> PSV Stability        | <input type="checkbox"/> PSV Rollover   | <input type="checkbox"/> Swept Path     |
| <input type="checkbox"/> PBS                  |   |   |

Certification Category

**HVS2**

Description of Work

**Certify SRT - 3 axle Semi Trailer**

Code/Standard/Rule Certified to

**NZTA Rule 41001:2002**

Component Load Rating(s)

**X1 = 4.25m / Y1 = 18T**

**Y2 = 1.9T / X2 = 4.16m**

**Load Types: Uniform Density**

General Drawing Number(s)

Supporting Documents

**SRT Compliance Cert # S708A + S708B - with rear unit imposed tare included**

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 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 Appointment. To the best of my knowledge the information contained in the Certificate is true and correct.

Designer's ID (if different from inspector below)

Inspector's Signature

*[Signature]*

Inspector's Name (PRINT IN CAPS)

ID Number

Date

**18/5/15**

Number

**498928**

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:

Talleys Group Ltd

Address:

SRT Compliance Certificate no:

S708A

Vehicle Identification No.(VIN):

7A9C20031F1023373

Vehicle chassis No:

1373

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:

7.7 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 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 18 tonnes.

or (b) At maximum gross mass of 19 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:

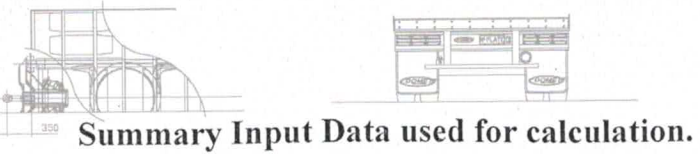
Gross Mass (tonnes)	Load Height (m)
19	4.16
18	4.24

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 = 18 tonnes ; Y2 = 19 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

Body Style is Step deck

Inputs	Front	Rear
Load bed height (m):	1.42	1.07
Deck length (m):	4.40	3.30

**Mass and Suspension Data:**

Inputs	Rear
Gross mass (kg):	19000
Payload mass (kg):	15160
Tare mass (kg):	3840
Average load bed height (m):	1.27
Average load height (m):	4.25
Suspension type:	User Defined
Suspension track width (m):	0.98
Lash (mm):	100
Suspension brand/model:	BPW AMT-0004NZ
Roll stiffness/axle (Nm/radian):	1465809
Spring stiffness/spring (N/m):	150000
Roll centre height from axle (m):	0.088

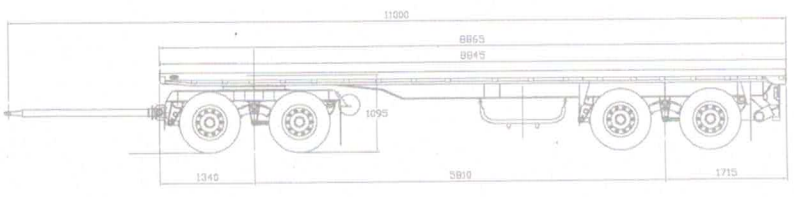
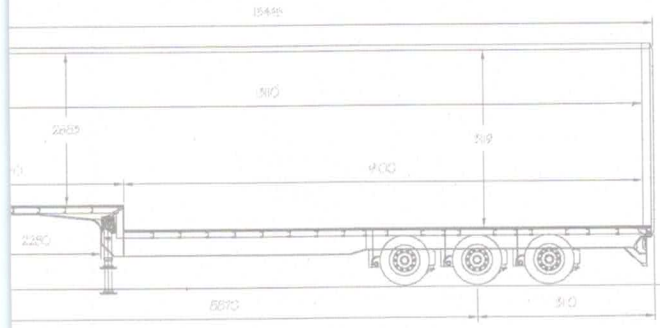
I certify that I am a vehicle inspector appointed under *section 2 of Land Transport Rule: Vehicle Standards Compliance 2002*. I certify that this certificate complies in all respects with the applicable requirements in that rule, and that, to the best of my knowledge, the information in this certificate is true and correct

Signed:

Name: **Bruce Sutton**

Vehicle Inspector/Inspecting Organisation No **BJ5** Date: **18/5/2015**

SRT Compliance Certificate no: **S708A**







# Static Roll Threshold Compliance Certificate

Name of vehicle owner:

Talleys Group Ltd

Address:

SRT Compliance Certificate no:

S708B

Vehicle Identification No.(VIN):

7A9C20031F1023373

Vehicle chassis No:

1373

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:

7.7 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 0.36g

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):	1.42	1.07
Deck length (m):	4.4	3.3

**Mass and Suspension Data:**

Inputs	Rear
Gross mass (kg):	19000
Payload mass (kg):	13820
Tare mass (kg):	5180
Average load bed height (m):	1.27
Average load height (m):	4.25
Suspension type:	User Defined
Suspension track width (m):	0.98
Lash (mm):	100
Suspension brand/model:	BPW AMT-0004NZ
Roll stiffness/axle (Nm/radian):	1465809
Spring stiffness/spring (N/m):	150000
Roll centre height from axle (m):	0.088

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: 

Vehicle Inspector/Inspecting Organisation No  
**BJS**

SRT Compliance Certificate no:

Name: **Bruce Sutton**

Date: **18/5/2015**

**S708B**