

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

7A9E20016G1023491

Component being certified:

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

Certification Category

HVS2

Description of Work

Certify SRT- 5 axle Full Trailer

Code/Standard/Rule Certified to

NZTA Rule 41001: 2002

Component Load Rating(s)

X1 = 4.25m / Y1 = 30T

Y2 = 3.5T / X2 = 4.02m

Load Type: Uniform Density

General Drawing Number(s)

Supporting Documents

SRT Compliance Cert # S784

Special Conditions*

As Above

Certification Expiry Date (if applicable)

or

Hubodometer Reading (whichever comes first)

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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

Bruce Sutton

Inspector's Name (PRINT IN CAPS)

ID Number

[] [] [] [] [] [] [] []

Date

Number

28/4/2016

540058

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:

Livingstone Transport Ltd

Address:

SRT Compliance Certificate no:

S784

Vehicle Identification No.(VIN):

7A9E20016G1023491

Vehicle chassis No:

1491

Current vehicle registration:

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 target of 0.35g. It will meet the standard if:

- (a) At maximum load height of 4.25 metres, the maximum allowable gross mass is 30.8 tonnes.
- or (b) At maximum gross mass of 35 tonnes, the maximum allowable load height is 4.02 metres.

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

| Gross Mass (tonnes) | Load Height (m) |
|---------------------|-----------------|
| 35 | 4.02 |
| 34 | 4.07 |
| 33 | 4.12 |
| 32 | 4.17 |
| 31 | 4.23 |
| 30 | 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 = 30 tonnes ; Y2 = 35 tonnes / X2 = 4.02 metres.

The type of test carried out to establish this rating was: NZTA SRT Calculator Version 2.01c

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 |
| 5 | 19.5 | Dual |

Body Style is Standard

Mass and Suspension Data:

| Inputs | Front | Rear |
|-----------------------------------|------------------------------|------------------------------|
| Gross mass (kg): | 16000 | 19000 |
| Payload mass (kg): | 12740 | 15020 |
| Tare mass (kg): | 3260 | 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 **BJS**

Date: **28/4/2016**

SRT Compliance Certificate no

S784