

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) ID
BRUCE SUTTON BJS

Vehicle Registration* VIN/Chassis Number
[Empty] 7A9E23014F1023442

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 - 5 axle full trailer

[Empty lines for description]

Code/Standard/Rule Certified to Component Load Rating(s)
NZTA Rule 4100:2002 X1=4.25m A1=3.1
[Empty] Y2=35T / X2=4.03m
[Empty] Load Type Uniform Density

Supporting Documents
SRT Compliance Cert # S769

Special Conditions*
As Above

Certification Expiry Date (if applicable) OR Hubodometer Reading (whichever comes first)
[Empty] [Empty]

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)
[Empty]

Inspector's Signature
[Signature]

Inspector's Name (PRINT IN CAPS) ID Number
[Empty] [Empty]

Date Number
17/2/16 498943

CoF Vehicle Inspector ID CoF Vehicle Inspector Signature Date
[Empty] [Empty] [Empty]



Static Roll Threshold Compliance Certificate

Name of vehicle owner: K&S Freighters Ltd
Address:
SRT Compliance Certificate no: S769
Vehicle Identification No.(VIN): 7A9E23014F1023442
Vehicle chassis No: 1442
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: 9.85 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 31.6 tonnes.
- or (b) At maximum gross mass of 35 tonnes, the maximum allowable load height is 4.03 metres.

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

| Gross Mass (tonnes) | Load Height (m) |
|---------------------|-----------------|
| 35 | 4.03 |
| 34 | 4.09 |
| 33 | 4.15 |
| 32 | 4.21 |
| 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 = 4.03 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): | 11060 | 14540 |
| Tare mass (kg): | 4940 | 4460 |
| Average load bed height (m): | 1.22 | |
| 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 IU25/2000RZ | SAF Intradisc IU25/2000RZ |
| 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: **17/2/2016**

SRT Compliance Certificate no: 

S769