

Heavy Vehicle Specialist Certificate

Heavy Vehicle Specialist Inspector and Inspecting Organisation

| Heavy Vehicle Specialist Inspector's Name (PRINT IN CAPS) BRUCE SUTTON | | BJS | |
|--|---|--------------------------------|--|
| Vehicle Registration* | VIN / Chassis Nu | | C1023031 |
| Component being certified: Certification Category HVS 2 | | Modification Load A | Anchorage Log Bolsters SRT |
| Description of Work (ent. C | SRT- 5 | axle fall | trailer |
| 7 | | | |
| | | | |
| | | | |
| Code/Standard Certified to | | Component Load Rating | g(s) |
| | | | |
| | | | |
| M2TA 41001:2002 General Drawing Number(s) Supporting Documents SRT | Compliance | e Cert # | S484 |
| Supporting Documents SAT Special Conditions | Comphance | e Cert # | S484 |
| Supporting Documents SAT Special Conditions Certification Expiry Date (if applicable) | | Cect # | |
| Supporting Documents SAT Special Conditions Certification Expiry Date (if applicable) Declaration | Above | | whichever comes first) |
| Supporting Documents SAT Special Conditions Certification Expiry Date (if applicable) Declaration I the undersigned, declare that I am the Specialist Inspector identified above an appointment. I certify that the above in component's design, manufacture and certification complies in all respects with the specialist in the speciali | e Heavy Vehicle d I hold a current valid mentioned vehicle installation, and this th the Land Transport | Hubodometer Reading (| whichever comes first). by a manufacturer) Signature |
| Supporting Documents SAT "Special Conditions Certification Expiry Date (if applicable) Declaration I the undersigned, declare that I am the Specialist Inspector identified above an appointment. I certify that the above in component's design, manufacture and | e Heavy Vehicle d I hold a current valid mentioned vehicle installation, and this th the Land Transport 2 and my Deed of edge the information | Designer's ID (if certified to | whichever comes first) by a manufacturer) Signature |

Form ID

LT400

Version No. 01/09

New Zealand Government

PHONE 07 575 5139 07 575 5137



www.domett-trailers.co.nz

Static Roll Threshold Compliance Certificate

Name of vehicle owner:

K&S Freighters Ltd

Address:

3847 Te Awamutu Road,

Cambridge

SRT Compliance Certificate no:

S484

Vehicle Identification No.(VIN):

7A9E3501XC1023031

Vehicle chassis No:

1031

Current vehicle registration:

Type of vehicle:

Full-Trailer

No of axles in front set:

No of axles in rear set:

Deck length of vehicle:

10.48 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

Uniform density Description: Assumes load mass is centred midway

vertically between load bed and load height.

At a max, load height of 4.15 metres and a max, allowable gross mass of 34 tonnes, the SRT is 0.34g This vehicle fails to meet the minimum SRT standard of 0.35g. It will meet the standard if:

- At maximum load height of 4.15 metres, the maximum allowable gross mass is 31.5 tonnes. (a)
- At maximum gross mass of 34 tonnes, the maximum allowable load height is 4.01 metres.

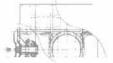
The vehicle achieves the minimum SRT of 0.35g at the following weight and height combinations:

| Gross Mass (tonnes) | Load Height (m) |
|---------------------|-----------------|
| 34 | 4.01 |
| 33 | 4.06 |
| 32 | 4.11 |
| 31 | 4.17 |

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 = 4.15 metres / Y1 = 31 tonnes; $Y2 = 34 tonnes / X2 = 4.01 metres$. | |

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 | Tyte Size: | Tyre Configuration: |
|----------|--|---------------------|
| 1 | 19,5 | Dual |
| 2 | 19.5 | Dual |
| ,4,3 # # | 19,5 | Dual |
| 4 | □ 195 ⊕ □ 10 | Dual |
| 5 | <u>~_0195</u> ⊙ ~ | Dual |
| | Country Manual Control of the Contro | |

Body Style is Standard

Mass and Suspension Data:

| Inputs | Front | Rear |
|-----------------------------------|------------------------------|------------------------------|
| Gross mass (kg): | 15000 | -19000 |
| Payload mass (kg): | 11220 | 15000 |
| Tare mass (kg): | 3780 | 4000 |
| Average load bed height (m): | 1.22 | |
| Average load height (m): | 4.15 | |
| 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

TO T

Signed:

Vehicle Inspector/Inspecting Organisation No BJS Date: 30/4/2012

SRT Compliance Certificate no:

Name: Bruce Sutton

S484



