

Heavy vehicle specialist inspector's or manufacturing inspecting organisation's name (PRINT IN CAPS)

MATTHEW CONNOLLY

ID

MHC

Vehicle registration (optional)

VIN/chassis number

7 A 9 D 2 0 0 1 6 L 2 0 2 3 0 0 6

Make

DOMETT

Component being certified:

Chassis

Load anchorage

Model (optional)

2020 D2001

Log bolsters

Towing connection

Brakes

Certification category

HVS2

SRT

PSV stability

PSV rollover

Swept path

PBS

Description of work

CERTIFY SRT - 4 AXLE FULL TRAILER

Code/standard/rule certified to

NZTA RULE 41001:2016

Component load rating(s)

X1 = 4.30m / Y1 = 26t

Y2 = 32t / X2 = 3.98m

General drawing number(s)

LOAD TYPE: UNIFORM DENSITY

Supporting documents

SRT COMPLIANCE CERT # S1155

Special conditions (optional)

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



Inspector's name (PRINT IN CAPS)

MATTHEW CONNOLLY

ID number

M H C

Date

27-10-2020

Number

752378

CoF vehicle inspector ID (if applicable)

CoF vehicle inspector signature (if applicable)

Date

All fields are mandatory unless otherwise stated.

Physical Address

189 Kennedy Road
Tauriko Business Estate
Tauriko

Postal Address

PO Box 9458
Greerton
Tauranga



PHONE 07 575 5139

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www.domett-trailers.co.nz

Static Roll Threshold Compliance Certificate

Name of vehicle owner: **D&K Trucking Ltd**

Address:

SRT Compliance Certificate no: **S1155**

Vehicle Identification No.(VIN): **7A9D20016L2023006**

Vehicle chassis No: **2006**

Current vehicle registration:

Type of vehicle: **Full-Trailer**

No of axles in front set: **2** No of axles in rear set: **2**

Deck length of vehicle: **10.50 metres**

Maximum height of load or vehicle body: **4.30 metres**

Front suspension type: **User Defined**

Rear suspension type: **User Defined**

I, **Matthew Connolly** of **Domett Truck and Trailer, PO Box 9458, Greerton, Tauranga 3142** 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 4.3 metres and a max. allowable gross mass of 32 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 4.3 metres, the maximum allowable gross mass is 26.5 tonnes.
or (b) At maximum gross mass of 32 tonnes, the maximum allowable load height is 3.98 metres.

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

| Gross Mass (tonnes) | Load Height (m) |
|---------------------|-----------------|
| 32 | 3.98 |
| 31 | 4.03 |
| 30 | 4.08 |
| 29 | 4.13 |
| 28 | 4.19 |
| 27 | 4.26 |
| 26 | 4.3 |

Note: Calculated load heights greater than the legal limit of 4.30m have been set to 4.30m

Results of SRT test to be displayed on Certificate of Loading

X1 = 4.3 metres / Y1 = 26 tonnes ; Y2 = 32 tonnes / X2 = 3.98 metres.

The type of test carried out to establish this rating was: NZTA SRT Calculator Version 2.12c

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 |

Body Style is Standard

Mass and Suspension Data:

| Inputs | Front | Rear |
|-----------------------------------|---------------------------|---------------------------|
| Gross mass (kg): | 16000 | 16000 |
| Payload mass (kg): | 12700 | 13000 |
| Tare mass (kg): | 3300 | 3000 |
| Average load bed height (m): | 1.078 | |
| Average load height (m): | 4.30 | |
| 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: 

Vehicle Inspector/Inspecting Organisation No **MHC**
SRT Compliance Certificate no:

Name: **Matthew Connolly**

Date: **27/10/2020**
S1155

