

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 3 L 2 0 2 3 0 2 7

Make
DOMETT

Model *(optional)*
2020 D2001

Certification category
HVS2

Component being certified:

Chassis Load anchorage
 Log bolsters Towing connection Brakes
 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

General drawing number(s)

Component load rating(s)
X1 = 4.15m / Y1 = 28t
Y2 = 32t / X2 = 3.95m
LOAD TYPE: UNIFORM DENSITY

Supporting documents
SRT COMPLIANCE CERT # S1169

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)* ID number
MATTHEW CONNOLLY M H C

Date
18-12-2020

Number
752392

CoF vehicle inspector ID *(if applicable)*

CoF vehicle inspector signature *(if applicable)*

Date

All fields are mandatory unless otherwise stated.

Static Roll Threshold Compliance Certificate

Name of vehicle owner: JD & Gill Investments
Address:
SRT Compliance Certificate no: S1169
Vehicle Identification No.(VIN): 7A9D20013L2023027
Vehicle chassis No: 2027
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: 9.30 metres
Maximum height of load or vehicle body: 4.15 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 Uniform density Description: Assumes load mass is centred midway
type: vertically between load bed and load height.

At a max. load height of 4.15 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 4.15 metres, the maximum allowable gross mass is 28.4 tonnes.
 - or (b) At maximum gross mass of 32 tonnes, the maximum allowable load height is 3.95 metres.
- The vehicle achieves the minimum SRT of 0.35g at the following weight and height combinations:

Gross Mass (tonnes)	Load Height (m)
32	3.95
31	4.01
30	4.05
29	4.11
28	4.16

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 = 4.15 metres / Y1 = 28 tonnes ; Y2 = 32 tonnes / X2 = 3.95 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):	12860	13060
Tare mass (kg):	3140	2940
Average load bed height (m):	1.086	
Average load height (m):	4.150	
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: **Matthew Connolly**

Vehicle Inspector/Inspecting Organisation No **MHC** Date: **18/12/2020**

SRT Compliance Certificate no:

S1169

Domett Truck & Trailer Ltd
Taurikura Drive & Kennedy Road
Tauriko, Tauranga

PDS



Date: 18/12/2020

Job Number: 7554

Certifier: Matthew Connolly

ID: MHC

Client: Keith Andrews

Vehicle Details

Make:	Domett	Model:	D2001	Trailer GVM:	28000 kg
VIN number:	7A9D20013L2023027	Chassis Number	2027	Rego:	
				Hubo:	

Standards / Codes the design must comply with

41001

Component

SRT	<input checked="" type="checkbox"/>	Certificate Number	S1169	X1	4.15 m
Load Type	Uniform Density			Y1	28 t
				Y2	32 t
				X2	3.95 m

LT400

LT400 Number

Certify

YES NO

I understand and declare that I am the Certifier identified above and hold a current valid appointment. I certify that at the time of inspection the above mentioned vehicle components and this certification complied in all respects with the LTSA rule Vehicle Standards Compliance 2002 and the Deed of Appointment. To the best of my knowledge the information contained in this certificate is true and correct.

Certifier Signature:

Date:

SRT Worksheet



Date: 18/12/2020

Job Number: 7554

Certifier: Matthew Connolly

ID: MHC

Client: Keith Andrews

Vehicle Details

Make: Domett	Model: D2001	Trailer GVM: 28000 kg
VIN number: 7A9D20013L2023027 ✓	Chassis Number: 2027 ✓	Rego: <input type="text"/>
		Hubo: <input type="text"/>

Suspension Details

Make: SAF Intradisc	Model: N/A	Fixed Steerer: IJ28/2005RZ-68A ✓
Ride Height: 280 mm ✓		N/A: N/A

Dolly

Number of Axles: 2 ✓	Hanger Centres - Dolly: 940 mm ✓
Tyre Size: 265/70 R 19.5 ✓	Tyre Configuration: Dual

Fixed

Number of Axles: 2 ✓	Hanger Centres - Fixed: 940 mm ✓
Tyre Size: 265/70 R 19.5	Tyre Configuration: Dual

Steerers

Number of Axles: 0	Hanger Centres - Steerers: 0
Tyre Size: 265/70 R 19.5	Tyre Configuration: Dual ✓

Load Details

Uniform Density <input checked="" type="checkbox"/>	Mixed Freight <input type="checkbox"/>	Other <input type="checkbox"/>	
Masses	Front	Rear	Total
Tare	3140 kg	2946 kg	6080 kg
Gross	16000 kg	16000 kg	32000 kg
Deck Height Front	1096 mm	Rear	1076 mm
Load Height Max	4150 mm	Payload Cog	m
Deck Length	9300 m	Max Height	4150 mm

$$\begin{aligned} \text{Front} &= 430 + 280 + 158 + 90 + 111 + 12 + 12 + 2.5 \\ &= 1096 \text{ mm} \end{aligned}$$

$$\begin{aligned} \text{Rear} &= 430 + 280 + 12 + 339 + 12 + 2.5 \\ &= 1076 \text{ mm} \end{aligned}$$

$$= 1086 \text{ mm}$$