

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 4 M 2 0 2 3 0 4 0**

Make **DOMETT** Component being certified: Chassis Load anchorage

Model *(optional)* **2021 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 = 4.25m / Y1 = 27t**

General drawing number(s) _____ **Y2 = 32t / X2 = 3.97m**

LOAD TYPE: UNIFORM DENSITY

Supporting documents **SRT COMPLIANCE CERT # S1190**

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 **Matthew Connolly**

Inspector's name *(PRINT IN CAPS)* **MATTHEW CONNOLLY** ID number **M H C**

Date **23-03-2021** Number **773762**

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: D&K Trucking Ltd
Address:
SRT Compliance Certificate no: S1190
Vehicle Identification No.(VIN): 7A9D20014M2023040
Vehicle chassis No: 2040
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: 10.15 metres
Maximum height of load or vehicle body: 4.25 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 4.25 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 4.25 metres, the maximum allowable gross mass is 27.2 tonnes.
 - or (b) At maximum gross mass of 32 tonnes, the maximum allowable load height is 3.97 metres.
- The vehicle achieves the minimum SRT of 0.35g at the following weight and height combinations:

Gross Mass (tonnes)	Load Height (m)
32	3.97
31	4.03
30	4.08
29	4.13
28	4.19
27	4.25

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 = 4.25 metres / Y1 = 27 tonnes ; Y2 = 32 tonnes / X2 = 3.97 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):	12800	12920
Tare mass (kg):	3200	3080
Average load bed height (m):	1.078	
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 IU280-2005RZ	SAF Intradisc IU280-2005RZ
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: Matthew Connolly

Name: **Matthew Connolly**

Vehicle Inspector/Inspecting Organisation No **MHC**

Date: **23/3/2021**

SRT Compliance Certificate no:

S1190