

Heavy vehicle specialist inspector's or manufacturing inspecting organisation's name *(PRINT IN CAPS)*
MATTHEW CONNOLLY ID **MHC**

Vehicle registration *(optional)* VIN/chassis number
 Make **DOMETT** **7 A 9 D 1 5 0 2 2 M 2 0 2 3 1 0 9**

Model *(optional)* **2021 D1502** Component being certified: Chassis Load anchorage
 Log bolsters Towing connection Brakes
 Certification category **HVS2** SRT PSV stability PSV rollover
 Swept path PBS

Description of work
CERTIFY SRT - 4 AXLE SEMI TRAILER

Code/standard/rule certified to **NZTA RULE 41001:2016** Component load rating(s) **X1 = 4.30m / Y1 = 22t**
Y2 = 24t / X2 = 4.16m
 General drawing number(s) **LOAD TYPE: UNIFORM DENSITY**

Supporting documents
SRT COMPLIANCE CERT # S1227

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 **M Connolly**
 Inspector's name *(PRINT IN CAPS)* **MATTHEW CONNOLLY** ID number **M H C**
 Date **08-09-2021** Number **773799**

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: **Tr Group Ltd**
Address:
SRT Compliance Certificate no: **S1227**
Vehicle Identification No.(VIN): **7A9D15022M2023109**
Vehicle chassis No: **2109**
Current vehicle registration:
Type of vehicle: **Semi-Trailer**
No of axles in front set: **0** No of axles in rear set: **4**
Deck length of vehicle: **15.26 metres**
Maximum height of load or vehicle body: **4.30 metres**
Front suspension type: **none**
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 24 tonnes, the SRT is 0.34g
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 22.3 tonnes.
or (b) At maximum gross mass of 24 tonnes, the maximum allowable load height is 4.16 metres.
The vehicle achieves the minimum SRT of 0.35g at the following weight and height combinations:

Gross Mass (tonnes)	Load Height (m)
24	4.16
23	4.23
22	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 = 22 tonnes ; Y2 = 24 tonnes / X2 = 4.16 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	Rear
Gross mass (kg):	24000
Payload mass (kg):	18260
Tare mass (kg):	5740
Average load bed height (m):	1.31
Average load height (m):	4.30
Suspension type:	User Defined
Suspension track width (m):	0.88
Lash (mm):	NaN
Suspension brand/model:	3x SAF IU-33/2510 & 1x SAF U30-3504
Roll stiffness/axle (Nm/radian):	1087715
Spring stiffness/spring (N/m):	440000
Roll centre height from axle (m):	NaN

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: **8/9/2021**

SRT Compliance Certificate no:

S1227