

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 C 2 0 0 3 9 M 2 0 2 3 0 9 4**

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

Model (optional) **2021 C2003 PH** Log bolsters Towing connection Brakes

Certification category **HVS2** SRT PSV stability PSV rollover

Swept path PBS

Description of work
CERTIFY SRT - 3 AXLE SEMI TRAILER

Code/standard/rule certified to **NZTA RULE 41001:2016** Component load rating(s)
X1 = 4.30m / Y1 = 19t
Y2 = 19t / X2 = 4.30m
LOAD TYPE: UNIFORM DENSITY

General drawing number(s) _____

Supporting documents
SRT COMPLIANCE CERT # S1218 B
INCLUDES IMPOSED TARE FROM REAR UNIT

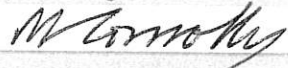
Special conditions (optional)
S1218 A (FRONT UNIT ONLY) X1 =4.30m / Y1 =16t ; Y2 =19t / X2 =4.07m

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 **16-07-2021** Number **773790**

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: Chanvani Construction Ltd
Address:
SRT Compliance Certificate no: S1218 B
Vehicle Identification No.(VIN): 7A9C20039M2023094
Vehicle chassis No: 2094
Current vehicle registration:
Type of vehicle: Semi-Trailer
No of axles in front set: 0 **No of axles in rear set:** 3
Deck length of vehicle: 8.23 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 19 tonnes, the SRT is 0.35g
This vehicle meets or exceeds the minimum SRT target of 0.35g.

Results of SRT test to be displayed on Certificate of Loading
X1 = 4.3 metres / Y1 = 19 tonnes ; Y2 = 19 tonnes / X2 = 4.3 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


Body Style is Step deck

Inputs	Front	Rear
Load bed height (m):	1.385	1.055
Deck length (m):	4.15	4.08

Mass and Suspension Data:

Inputs	Rear
Gross mass (kg):	19000
Payload mass (kg):	14050
Tare mass (kg):	4950
Average load bed height (m):	1.22
Average load height (m):	4.30
Suspension type:	User Defined
Suspension track width (m):	0.94
Lash (mm):	90
Suspension brand/model:	SAF Intradisc IU25-2000RZ
Roll stiffness/axle (Nm/radian):	1200000
Spring stiffness/spring (N/m):	470000
Roll centre height from axle (m):	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: **16/7/2021**

SRT Compliance Certificate no:

S1218 B

Static Roll Threshold Compliance Certificate

Name of vehicle owner: Chavani Construction Ltd
Address:
SRT Compliance Certificate no: S1218 A
Vehicle Identification No.(VIN): 7A9C20039M2023094
Vehicle chassis No: 2094
Current vehicle registration:
Type of vehicle: Semi-Trailer
No of axles in front set: 0 **No of axles in rear set:** 3
Deck length of vehicle: 8.23 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 19 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 16.5 tonnes.
or (b) At maximum gross mass of 19 tonnes, the maximum allowable load height is 4.07 metres.
The vehicle achieves the minimum SRT of 0.35g at the following weight and height combinations:

Gross Mass (tonnes)	Load Height (m)
19	4.07
18	4.16
17	4.24
16	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 = 16 tonnes ; Y2 = 19 tonnes / X2 = 4.07 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

Body Style is Step deck

Inputs	Front	Rear
Load bed height (m):	1.385	1.055
Deck length (m):	4.15	4.08

Mass and Suspension Data:

Inputs	Rear
Gross mass (kg):	19000
Payload mass (kg):	15500
Tare mass (kg):	3500
Average load bed height (m):	1.22
Average load height (m):	4.30
Suspension type:	User Defined
Suspension track width (m):	0.94
Lash (mm):	90
Suspension brand/model:	SAF Intradisc IU25-2000RZ
Roll stiffness/axle (Nm/radian):	1200000
Spring stiffness/spring (N/m):	470000
Roll centre height from axle (m):	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: **16/7/2021**

SRT Compliance Certificate no:

S1218 A