

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

ID
KDB

Plate number (optional)

VIN/chassis number
7 A 9 E 2 0 0 1 0 N 2 0 2 3 2 3 5

Make
DOMETT

Component being certified:

Chassis

Load anchorage

Model (optional)
2023 E2001 PH

Log bolsters

Towing connection

Brakes

SRT

PSV stability

PSV rollover

HVS2

Swept path

PBS

Description of work

CERTIFY SRT - 5 AXLE FULL TRAILER

Code/standard/rule certified to
NZTA RULE 41001:2016

Component load rating(s)
X1 = 4.30m / Y1 = 30t

Y2 = 35t / X2 = 4.05m

LOAD TYPE: UNIFORM DENSITY

General drawing number(s)

Supporting documents
SRT COMPLIANCE CERT # S1349

Special conditions (optional)
AS ABOVE

Certification expiry date (if applicable)

OR

Hubodometer reading (whichever comes first)

Declaration

Designer's ID (if different from inspector below)

Inspector's signature



Inspector's name (PRINT IN CAPS)
KYLE BOSSELMANN

ID number
K D B

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.

Date
26-05-2023

Number

856172

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:

S1349

Vehicle Identification No.(VIN):

7A9E20010NN2023235

Vehicle chassis No:

2235

Current vehicle registration:

Type of vehicle:

Full-Trailer

No of axles in front set:

2

No of axles in rear set:

3

Deck length of vehicle:

11.3 metres

Maximum height of load or vehicle body:

4.3 metres

Front suspension type:

User Defined

Rear suspension type:

User Defined

I, **Kyle Bosselmann 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 35 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 30.6 tonnes.
or (b) At maximum gross mass of 35 tonnes, the maximum allowable load height is 4.05 metres.
The vehicle achieves the minimum SRT of 0.35g at the following weight and height combinations:

Gross Mass (tonnes)	Load Height (m)
35	4.05
34	4.1
33	4.15
32	4.2
31	4.26
30	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 = 30 tonnes ; Y2 = 35 tonnes / X2 = 4.05 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
5	19.5	Dual

Body Style is Standard

Mass and Suspension Data:

Inputs	Front	Rear
Gross mass (kg):	16000	19000
Pay/load mass (kg):	12500	14940
Tare mass (kg):	3500	4060
Average load bed height (m):		1.075
Average load height (m):		4.3
Suspension type:	User Defined	User Defined
Suspension track width (m):	0.94	0.94
Lash (mm):	90	90
Suspension brand/model:	SAF IU28/2005 RZ	SAF IU28/2005 RZ
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 2002.1* 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: **Kyle Bosselmann**

Vehicle Inspector/Inspecting Organisation No **KDB**

Date: **26/5/2023**

SRT Compliance Certificate no: **S1349**