

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 E 2 5 0 1 2 K 1 0 2 3 8 4 8

Make **DOMETT**

Component being certified Chassis Load anchorage

Model (optional) **2019 E2501 H**

Log bolsters Towing connection Brakes

Certification category **HVS2**

SRT PSV stability PSV rollover

Sweep path PPS

Description of work
CERTIFY SRT - 5 AXLE FULL TRAILER

Code/standard rule (required) **NZTA RULE 41001:2016**

Component load ratings
X1 = 4.30m / Y1 = 28t

General drawing number (optional)

Y2 = 35t / X2 = 3.97m
LOAD TYPE: UNIFORM DENSITY

Supporting documents
SRT COMPLIANCE CERT # S1038

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 **MHC**

Date **23-05-2019** Number **680013**

CoF vehicle inspector ID (if applicable) CoF vehicle inspector signature (if applicable) Date

All fields are mandatory unless otherwise stated.

DOMETT TRUCK & TRAILER LTD

Physical Address
 189 Kennedy Road
 Tauriko Business Estate
 Tauriko

Postal Address
 PO Box 9458
 Greerton
 Tauranga



PHONE 07 575 5139
FAX 07 575 5137

www.domett-trailers.co.nz

Static Roll Threshold Compliance Certificate

Name of vehicle owner: Ellesmere Transport Co Ltd.
Address:
SRT Compliance Certificate no: S1038
Vehicle Identification No.(VIN): 7A9E25012K1023848
Vehicle chassis No: 1848
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: 10.365 metres
Maximum height of load or vehicle body: 4.30 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 4.3 metres and a max. allowable gross mass of 35 tonnes, the SRT is 0.32g
 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 28.4 tonnes.
 - or (b) At maximum gross mass of 35 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)
35	3.97
34	4.01
33	4.05
32	4.1
31	4.14
30	4.2
29	4.25
28	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 = 28 tonnes ; Y2 = 35 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
5	19.5	Dual

Body Style is Standard

Mass and Suspension Data:

Inputs	Front	Rear
Gross mass (kg):	16000	19000
Payload mass (kg):	13340	15980
Tare mass (kg):	2660	3020
Average load bed height (m):	1.04	
Average load height (m):	4.3	
Suspension type:	User Defined	User Defined
Suspension track width (m):	0.940	0.940
Lash (mm):	90	90
Suspension brand/model:	SAF IU/28/2005RZ	SAF IU/28/2005RZ
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: **23/5/2019**

SRT Compliance Certificate no:

S1038