

Heavy vehicle specialist certificate

Must be presented to a CoF (heavy) inspecting organisation
Heavy vehicle specialist inspector and inspecting organisation

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

CAMERON HARRIS **CNH**

Vehicle registration *(optional)* VIN/chassis number

DOMETT **7 A 9 E 1 5 0 1 6 J 1 0 2 3 7 0 8**

Model *(optional)* Component being certified:

2018 E1501 Chassis Load anchorage

Certification category Log bolsters Towing connection Brakes

HVS2 SRT PSV stability PSV rollover

Swept path PBS

Description of work

CERTIFY SRT - 5 AXLE FULL TRAILER

Code/standard/rule certified to Component load rating(s)

NZTA RULE 41001:2016 **X1 = 4.3m / Y1 = 30t**

General drawing number(s) **Y2 = 35t / X2 = 4.01m**

LOAD TYPE: UNIFORM DENSITY

Supporting documents

SRT COMPLIANCE CERT # S958

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

C.H.

Inspector's name *(PRINT IN CAPS)* ID number

CAMERON HARRIS **C N H**

Date Number

27-06-2018 **628579**

CoF vehicle inspector ID CoF vehicle inspector signature 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: StraightNZ Linehaul

Address:

SRT Compliance Certificate no: S958

Vehicle Identification No.(VIN): 7A9E15016J1023708

Vehicle chassis No: 1708

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: 12.25 metres

Maximum height of load or vehicle body: 4.3 metres

Front suspension type: User Defined

Rear suspension type: User Defined

I, Cameron Harris 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 tonnes.
- or (b) At maximum gross mass of 35 tonnes, the maximum allowable load height is 4.01 metres.

The vehicle achieves the minimum SRT of 0.35g at the following weight and height combinations:

Gross Mass (tonnes)	Load Height (m)
35	4.01
34	4.07
33	4.12
32	4.17
31	4.23
30	4.29

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 = 4.01 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 Sloping deck

Inputs	Front	Rear
Load bed height (m):	1.115	1.095
Load height (m):	4.3	4.3

Mass and Suspension Data:

Inputs	Front	Rear
Gross mass (kg):	16000	19000
Payload mass (kg):	12600	14880
Tare mass (kg):	3400	4120
Average load bed height (m):	1.105	
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 Intradisc IU28/2005RZ-68A	SAF Intradisc IU25/2000RZ-68A
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: 
 Vehicle Inspector/Inspecting Organisation No CNH
 SRT Compliance Certificate no:

Name: **Cameron Harris**
 Date: **27/6/2018**
 S958