

# 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

**SEAN MALLIN** **SCM**

Vehicle registration (optional) VIN/chassis number

**7 A 9 C 2 0 0 3 2 H 1 0 2 3 6 4 4**

Make **DOMETT**

Model (optional) **2017 C2003 H**

Certification category **HVS2**

Component being certified:

Chassis  Load anchorage

Log bolsters  Towing connection  Brakes

SRT  PSV stability  PSV rollover

Swept path  PBS

Description of work

**CERTIFY SRT - 3 AXLE SEMI TRAILER**

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

**NZTA RULE 41001:2016** **X1 = 4.3m / Y1 = 19t**

General drawing number(s) **Y2 = 19t / X2 = 4.3m**

**LOAD TYPE: UNIFORM DENSITY**

Supporting documents

**SRT COMPLIANCE CERT # S900A + S900B INCLUDES IMPOSED TARE OF REAR UNIT**

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 

Inspector's name (PRINT IN CAPS) ID number

**SEAN MALLIN** **S C M**

Date Number

**26-10-2017** **602722**

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:** Neels Transport & Logistics Ltd

**Address:**

**SRT Compliance Certificate no:** S900A

**Vehicle Identification No.(VIN):** 7A9C20032H1023644

**Vehicle chassis No:** 1644

**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:** 8.1 metres

**Maximum height of load or vehicle body:** 4.3 metres

**Front suspension type:** none

**Rear suspension type:** User Defined

I, Sean Mallin 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 4.06 metres.
- The vehicle achieves the minimum SRT of 0.35g at the following weight and height combinations:

Gross Mass (tonnes)	Load Height (m)
19	4.06
18	4.15
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 = 4.06 metres.

The type of test carried out to establish this rating was: NZTA SRT Calculator Version 2.10c

**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):	1.420	1.085
Deck length (m):	4.050	4.050

**Mass and Suspension Data:**

Inputs	Rear
Gross mass (kg):	19000
Payload mass (kg):	15360
Tare mass (kg):	3640
Average load bed height (m):	1.25
Average load height (m):	4.3
Suspension type:	User Defined
Suspension track width (m):	0.94
Lash (mm):	90
Suspension brand/model:	SAF Intradisc IU25-2000RZ-68A
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: 

Vehicle Inspector/Inspecting Organisation No **SCM**

SRT Compliance Certificate no:

Name: **Sean Mallin**

Date: **26/10/2017**

**S900A**

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## Static Roll Threshold Compliance Certificate

**Name of vehicle owner:** Neels Transport & Logistics Ltd

**Address:**

**SRT Compliance Certificate no:** S900B

**Vehicle Identification No.(VIN):** 7A9C20032H1023644

**Vehicle chassis No:** 1644

**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:** 8.1 metres

**Maximum height of load or vehicle body:** 4.3 metres

**Front suspension type:** none

**Rear suspension type:** User Defined

I, Sean Mallin 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 2.10c

**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):	1.420	1.085
Deck length (m):	4.050	4.050

**Mass and Suspension Data:**

Inputs	Rear
Gross mass (kg):	19000
Payload mass (kg):	13900
Tare mass (kg):	5100
Average load bed height (m):	1.25
Average load height (m):	4.3
Suspension type:	User Defined
Suspension track width (m):	0.94
Lash (mm):	90
Suspension brand/model:	SAF Intradisc IU25-2000RZ-68A
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: 

Vehicle Inspector/Inspecting Organisation No SCM

SRT Compliance Certificate no:

Name: Sean Mallin

Date: 26/10/2017

S906B