

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) **WAYNE COOPER** ID **WC**

Vehicle Registration* _____ VIN/Chassis Number **7 A 9 C 2 0 0 3 4 E 1 0 2 3 2 8 4**

Component being certified:

<input type="checkbox"/> Chassis Modification	<input type="checkbox"/> Load Anchorage	<input type="checkbox"/> Log Bolsters
<input type="checkbox"/> Towing Connection	<input type="checkbox"/> Brakes	<input checked="" type="checkbox"/> SRT
<input type="checkbox"/> PSV Stability	<input type="checkbox"/> PSV Rollover	<input type="checkbox"/> Swept Path
<input type="checkbox"/> PBS		

Certification Category
HVS2

Description of Work

PROVIDE SRT CERTIFICATE IN ACCORDANCE WITH SECTION 3 OF THE VEHICLE DIMENSIONS AND MASS RULE 41001.

Code/Standard/Rule Certified to VDM 2002 RULE 41001	Component Load Rating(s) X1 = 4.25m / Y1 = 19 tonnes
General Drawing Number(s) 3100-45	Y2 = 19 tonnes / X2 = 4.25m

Supporting Documents

SRT COMPLIANCE CERTIFICATE 3100-45B (INCLUDING TARE WEIGHT OF REAR UNIT) & 3100-45A (NOT INCLUDING TARE OF REAR UNIT) ATTACHED ON

Special Conditions*

THIS CERTIFICATE IS A STATEMENT OF COMPLIANCE AT THE TIME OF CERTIFICATION ONLY AND DOES NOT OFFER OR IMPLY ANY GUARANTEE OR WARRANTY WITH RESPECT TO THE WORK CERTIFIED OR ANY OTHER ASPECT OF THIS VEHICLE. COMPONENT/VEHICLE IS TO BE RE-INSPECTED BY A LAND TRANSPORT NZ APPROVED HEAVY VEHICLE SPECIALIST CERTIFIER ON OR BEFORE THE CERTIFICATION EXPIRY DATE STATED. THIS CERTIFICATION IS NULL & VOID IF VEHICLE/COMPONENT IS SUBSEQUENTLY MODIFIED, ACCIDENT DAMAGED, OR RE-CERTIFIED.

Certification Expiry Date (if applicable) **11-11-2024** 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

Date **11-11-2014**

Number **494154**

CoF Vehicle Inspector ID _____ CoF Vehicle Inspector Signature _____ Date _____

All fields excluding those marked with * must be completed before this certificate can be accepted.

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

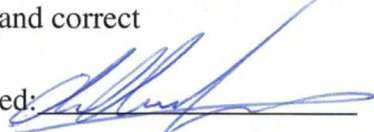
Body Style is Step deck

Inputs	Front	Rear
Load bed height (m):	1.345	1.07
Deck length (m):	4.123	4.08

Mass and Suspension Data:

Inputs	Rear
Gross mass (kg):	19000
Payload mass (kg):	13620
Tare mass (kg):	5380
Average load bed height (m):	1.21
Average load height (m):	4.25
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: 
Vehicle Inspector/Inspecting Organisation No
WC
SRT Compliance Certificate no:

Name: **Wayne Cooper**
Date: **11/11/2014**
3100-46B

Static Roll Threshold Compliance Certificate

Name of vehicle owner: DOMETT TRUCK & TRAILERS LTD
Address: 189 KENNEDY ROAD, TAURANGA
SRT Compliance Certificate no: 3100-45A
Vehicle Identification No.(VIN): 7A9C20034E1023284
Vehicle chassis No: 1284
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: 8.20 metres
Maximum height of load or vehicle body: 4.25 metres
Front suspension type: none
Rear suspension type: User Defined

I, **Wayne Cooper** of **Promech Consultants, PO Box 886, Tauranga** 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 4.25 metres and a max. allowable gross mass of 19 tonnes, the SRT is 0.34g

This vehicle fails to meet the minimum SRT standard of 0.35g. It will meet the standard if:

- (a) At maximum load height of 4.25 metres, the maximum allowable gross mass is 17.9 tonnes.
 - or (b) At maximum gross mass of 19 tonnes, the maximum allowable load height is 4.15 metres.
- The vehicle achieves the minimum SRT of 0.35g at the following weight and height combinations:

Gross Mass (tonnes)	Load Height (m)
19	4.15
18	4.23
17	4.25

Note: Calculated load heights greater than the legal limit of 4.25m have been set to 4.25m

Results of SRT test to be displayed on Certificate of Loading
 X1 = 4.25 metres / Y1 = 17 tonnes ; Y2 = 19 tonnes / X2 = 4.15 metres.

The type of test carried out to establish this rating was: LTSA SRT Calculator Version 1.32c

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):	1.345	1.07
Deck length (m):	4.123	4.080

Mass and Suspension Data:

Inputs	Rear
Gross mass (kg):	19000
Payload mass (kg):	14980
Tare mass (kg):	4020
Average load bed height (m):	1.21
Average load height (m):	4.25
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: 
Vehicle Inspector/Inspecting Organisation No
WC

Name: **Wayne Cooper**

Date: **11/11/2014**

SRT Compliance Certificate no:

3100-45A