



# Heavy Vehicle Specialist Certificate

Heavy Vehicle Specialist Inspector and Inspecting Organisation

Heavy Vehicle Specialist Inspector's Name (PRINT IN CAPS)

WAYNE COOPER

ID

WC

Vehicle Registration\*

VIN / Chassis Number

7 A 9 C 1 0 0 3 X 9 0 0 2 3 8 5 4

Component being certified:

Chassis Modification

Load Anchorage

Log Bolsters

Towing Connection

Brakes

SRT

Certification Category

HVS2

Description of Work

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

Code/Standard Certified to

VDM 2002 RULE 41001

Component Load Rating(s)

X1 = 2.96m / Y1 = 19 tonnes

General Drawing Number(s)

1843-14

Y2 = 19 tonnes / X2 = 2.96m

Supporting Documents

SRT COMPLIANCE CERTIFICATE ATTACHED

\*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.

Certification Expiry Date (if applicable)

11-01-2020

or

Hubodometer Reading (whichever comes first)

## Declaration

I the undersigned, declare that I am the Heavy Vehicle Specialist Inspector identified above 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 Deed of Appointment. To the best of my knowledge the information contained in this Certificate is true and correct.

Designer's ID (if certified by a manufacturer)

Inspector's / Delegate's Signature

\*Delegate's Name (PRINT IN CAPS)

Date

11-01-2010

Number

339722

COF Vehicle Inspector ID:

COF Vehicle Inspector Signature:

Date

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

# Static Roll Threshold Compliance Certificate

<b>Name of vehicle owner:</b>	<b>Orica Chemnet Ltd</b>
<b>Address:</b>	<b>166 Totara Street, Mount Maunganui, NZ</b>
<b>SRT Compliance Certificate no:</b>	<b>1843-14</b>
<b>Vehicle Identification No.(VIN):</b>	<b>7A9C1003X90023854</b>
<b>Vehicle chassis No:</b>	<b>7A9C1003X90023854</b>
<b>Current vehicle registration:</b>	
<b>Type of vehicle:</b>	<b>Semi-Trailer</b>
<b>No of axles in front set: 0</b>	<b>No of axles in rear set: 3</b>
<b>Deck length of vehicle:</b>	<b>5.525 metres</b>
<b>Maximum height of load or vehicle body:</b>	<b>3.345 metres</b>
<b>Front suspension type:</b>	<b>none</b>
<b>Rear suspension type:</b>	<b>User Defined</b>

I, **Wayne Cooper** of **Matrixx 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 2.96 metres and a max. allowable gross mass of 19 tonnes, the SRT is 0.46g

This vehicle meets or exceeds the minimum SRT standard of 0.35g.

Results of SRT test to be displayed on Certificate of Loading
---

X1 = 2.96 metres / Y1 = 19 tonnes ; Y2 = 19 tonnes / X2 = 2.96 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 Standard****Mass and Suspension Data:**

Inputs	Rear
Gross mass (kg):	19000
Payload mass (kg):	13100
Tare mass (kg):	5900
Average load bed height (m):	1.420
Average load height (m):	2.960
Suspension type:	User Defined
Suspension track width (m):	0.98
Lash (mm):	104
Suspension brand/model:	ROR CSPL
Roll stiffness/axle (Nm/radian):	2197000
Spring stiffness/spring (N/m):	128000
Roll centre height from axle (m):	0.035

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: Name: **Wayne Cooper**Vehicle Inspector/Inspecting Organisation No  
**WC**Date: **11/1/2010**

SRT Compliance Certificate no:

1843-14

Print the Certificate

Finish

# Static Roll Threshold Compliance Certificate

<b>Name of vehicle owner:</b>	<b>Orica Chemnet Ltd</b>
<b>Address:</b>	<b>166 Totara Street, Mount Maunganui, NZ</b>
<b>SRT Compliance Certificate no:</b>	<b>1843-15</b>
<b>Vehicle Identification No.(VIN):</b>	<b>7A9C1003X90023854</b>
<b>Vehicle chassis No:</b>	<b>7A9C1003X90023854</b>
<b>Current vehicle registration:</b>	
<b>Type of vehicle:</b>	<b>Semi-Trailer</b>
<b>No of axles in front set:</b> 0	<b>No of axles in rear set:</b> 3
<b>Deck length of vehicle:</b>	<b>5.525 metres</b>
<b>Maximum height of load or vehicle body:</b>	<b>3.345 metres</b>
<b>Front suspension type:</b>	<b>none</b>
<b>Rear suspension type:</b>	<b>User Defined</b>

I, **Wayne Cooper** of **Matrixx 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 2.96 metres and a max. allowable gross mass of 19 tonnes, the SRT is 0.45g

This vehicle meets or exceeds the minimum SRT standard of 0.35g.

Results of SRT test to be displayed on Certificate of Loading
---

X1 = 2.96 metres / Y1 = 19 tonnes ; Y2 = 19 tonnes / X2 = 2.96 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 Standard****Mass and Suspension Data:**

Inputs	Rear
Gross mass (kg):	19000
Payload mass (kg):	14980
Tare mass (kg):	4020
Average load bed height (m):	1.420
Average load height (m):	2.960
Suspension type:	User Defined
Suspension track width (m):	0.98
Lash (mm):	104
Suspension brand/model:	ROR CS9L
Roll stiffness/axle (Nm/radian):	2197000
Spring stiffness/spring (N/m):	128000
Roll centre height from axle (m):	0.035

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: Name: **Wayne Cooper**Vehicle Inspector/Inspecting Organisation No  
**WC**Date: **11/1/2010**

SRT Compliance Certificate no:

1843-15

[Print the Certificate](#)[Finish](#)