



Heavy Vehicle Specialist Certificate

Heavy Vehicle Specialist Inspector and Inspecting Organisation

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

BRUCE Sutton

ID

BSS

Vehicle Registration*

VIN / Chassis Number

7A9C10037C1023103

Component being certified:

Chassis Modification

Load Anchorage

Log Bolsters

Towing Connection

Brakes

SRT

Certification Category

HVS2

Description of Work

Certify SRT- 3 axle front unit of
B-train for 0.45g

Code/Standard Certified to

NZTA Rule 41001:2002

Component Load Rating(s)

S520B X1=3m/Y1=19T; Y2=19T/X2=30m

General Drawing Number(s)

S520A X1=3m/Y1=18T; Y2=18T/X2=30m

Supporting Documents

SRT Compliance Cert Numbers S520A (Rear unit not attached) + S520B (with rear unit attached)

*Special Conditions

SRT Calculation based on tanks being completely full.

Certification Expiry Date (if applicable)

or

Hubodometer Reading (whichever comes first)

Hubodometer Reading grid

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)

Designer's ID field

Inspector's / Delegate's Signature

Inspector's / Delegate's Signature field

*Delegate's Name (PRINT IN CAPS)

Delegate's Name field

Date

20/12/2012

Number

419011

COF Vehicle Inspector ID:

COF Vehicle Inspector ID field

COF Vehicle Inspector Signature:

COF Vehicle Inspector Signature field

Date

Date field

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



Static Roll Threshold Compliance Certificate

Name of vehicle owner: Orica NZ Ltd
Address:
SRT Compliance Certificate no: S520A (Rear unit not included)
Vehicle Identification No.(VIN): 7A9C10037C1023103
Vehicle chassis No: 1103
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: 7.35 metres
Maximum height of load or vehicle body: 3.32 metres
Front suspension type: none
Rear suspension type: User Defined

I, Bruce Sutton of Domett Truck and Trailer, PO Box 5215, Mt Maunganui 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 3 metres and a max. allowable gross mass of 18 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 = 3 metres / Y1 = 18 tonnes ; Y2 = 18 tonnes / X2 = 3.0 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):	18000
Payload mass (kg):	13560
Tare mass (kg):	4440
Average load bed height (m):	1.48
Average load height (m):	3.0
Suspension type:	User Defined
Suspension track width (m):	0.98
Lash (mm):	104
Suspension brand/model:	ROR:CS9
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: **Bruce Sutton**

Vehicle Inspector/Inspecting Organisation No
BJ5

Date: **19/12/2012**

SRT Compliance Certificate no:

S520A



Static Roll Threshold Compliance Certificate

Name of vehicle owner: **Orica NZ Ltd**
Address:
SRT Compliance Certificate no: **S520B (With Rear Unit Attached)**
Vehicle Identification No.(VIN): **7A9C10037C1023103**
Vehicle chassis No: **1103**
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: **7.35 metres**
Maximum height of load or vehicle body: **3.32 metres**
Front suspension type: **none**
Rear suspension type: **User Defined**

I, **Bruce Sutton of Domett Truck and Trailer, PO Box 5215, Mt Maunganui** 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 3 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 = 3 metres / Y1 = 19 tonnes ; Y2 = 19 tonnes / X2 = 3.0 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):	12620
Tare mass (kg):	6380
Average load bed height (m):	1.48
Average load height (m):	3.0
Suspension type:	User Defined
Suspension track width (m):	0.98
Lash (mm):	104
Suspension brand/model:	ROR/CS9
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: **Bruce Sutton**

Vehicle Inspector/Inspecting Organisation No
BJ5

Date: **20/12/2012**

SRT Compliance Certificate no:

S520B (With Rear Unit Attached)