NZ TRANSPORT AGENCY
WAKA KOTAHI

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)*: SEAN MALLIN

ID: SCM

Vehicle registration *(optional)*:

VIN/chassis number: 7A9E200161H102366 8

Make: DOMETT

Component being certified:
- [ ] Chassis
- [ ] Load anchorage
- [ ] Log bolsters
- [ ] Towing connection
- [ ] Brakes
- [X] SRT
- [ ] PSV stability
- [ ] PSV rollover
- [ ] Swept path
- [ ] PBS

Model *(optional)*: 2017 E2001 PH

Certification category: HVS2

Description of work: CERTIFY SRT - 5 AXLE FULL TRAILER

Code/standard/rule certified to: NZTA RULE 41001:2016

Component load rating(s): X1 = 4.3m / Y1 = 29t; Y2 = 35t / X2 = 3.96m; LOAD TYPE: UNIFORM DENSITY

General drawing number(s):

Supporting documents: SRT COMPLIANCE CERT # S903

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)*: SEAN MALLIN

ID number: SCM

Date: 03-11-2017

Number: 602725

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:	**JBS Haulage Ltd**
Address:	
SRT Compliance Certificate no:	**S903**
Vehicle Identification No.(VIN):	**7A9E20016H1023668**
Vehicle chassis No:	**1668**
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:	**11.68 metres**
Maximum height of load or vehicle body:	**4.3 metres**
Front suspension type:	**User Defined**
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 35 tonnes, the SRT is 0.32g
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 29 tonnes.
or (b) At maximum gross mass of 35 tonnes, the maximum allowable load height is 3.96 metres.
The vehicle achieves the minimum SRT of 0.35g at the following weight and height combinations:

Gross Mass (tonnes)	Load Height (m)
35	3.96
34	4.01
33	4.06
32	4.12
31	4.16
30	4.22
29	4.29
28	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 = 29 tonnes ; Y2 = 35 tonnes / X2 = 3.96 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
4	19.5	Dual
5	19.5	Dual

Body Style is Sloping deck

Inputs	Front	Rear
Load bed height (m):	1.140	1.114
Load height (m):	4.3	4.3

Mass and Suspension Data:

Inputs	Front	Rear
Gross mass (kg):	16000	19000
Payload mass (kg):	12880	15140
Tare mass (kg):	3120	3860
Average load bed height (m):	1.125	
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 IU33/2510RZ-68A	SAF Intradisc IU33/2510RZ-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: Name: **Sean Mallin**

Vehicle Inspector/Inspecting Organisation No **SCM** Date: **3/11/2017**

SRT Compliance Certificate no: S903