



Heavy Vehicle Specialist Certificate

Approved by the Land Transport New Zealand Board

WAYNE COOPER

WC

7 A 9 E 1 5 0 1 3 E 1 0 2 3 2 1 8

√

HVS2

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 = 30 tonnes

Y2 = 35 tonnes / X2 = 4.02m

General Drawing Number(s)

3020-38

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. THIS CERTIFICATION IS NULL & VOID IF VEHICLE/COMPONENT IS SUBSEQUENTLY MODIFIED, ACCIDENT DAMAGED, OR RE-CERTIFIED.

Certification Expiry Date

29-01-2024

or

Hubodometer Reading

Declaration

I, the undersigned, hereby declare that the Heavy Vehicle Specialist Certificate is issued in accordance with the Land Transport New Zealand Heavy Vehicle Specialist Certificate Regulations 2014 and that the information provided in this certificate is true and correct to the best of my knowledge and belief.

Designer's ID

Signature of Designer

Legal Name of Designer

Date

29-01-2014

ID

457451

Static Roll Threshold Compliance Certificate

Name of vehicle owner: Domett Truck & Trailer Ltd
Address: Hewletts Road, Mount Maunganui
SRT Compliance Certificate no: 3020-38
Vehicle Identification No.(VIN): 7A9E15013E1023218
Vehicle chassis No: 1218
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: 12.3 metres
Maximum height of load or vehicle body: 4.25 metres
Front suspension type: User Defined
Rear suspension type: User Defined

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 4.25 metres and a max. allowable gross mass of 35 tonnes, the SRT is 0.33g

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 30.9 tonnes.
- or (b) At maximum gross mass of 35 tonnes, the maximum allowable load height is 4.02 metres.

The vehicle achieves the minimum SRT of 0.35g at the following weight and height combinations:

Gross Mass (tonnes)	Load Height (m)
35	4.02
34	4.07
33	4.12
32	4.17
31	4.23
30	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 = 30 tonnes ; Y2 = 35 tonnes / X2 = 4.02 metres.

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

matrixx CONSULTANTS
LIMITED
PO BOX 886 TAURANGA
TAURANGA

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 Standard

Mass and Suspension Data:

Inputs	Front	Rear
Gross mass (kg):	16000	19000
Payload mass (kg):	12640	14860
Tare mass (kg):	3360	4140
Average load bed height (m):		1.1
Average load height (m):		4.25
Suspension type:	User Defined	User Defined
Suspension track width (m):	0.94	0.94
Lash (mm):	90	90
Suspension brand/model:	SAF INTRADISC IU28/2005RZ	SAF INTRADISC IU25/2000RZ
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: **Wayne Cooper**

Vehicle Inspector/Inspecting Organisation No **WC**

Date: **29/1/2014**

SRT Compliance Certificate no:

3020-38

matrixx

CONSULTANTS
LIMITED
A COMPANY INCORPORATED IN NEW ZEALAND