

Heavy vehicle specialist certificate Must be presented to a CoF (heavy) inspecting organisation if not entered into LANDATA

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All fields are mandatory unless otherwise stated.

Static Roll Threshold Compliance Certificate

Name of vehicle owner:

Carmichael Transport 2018

Address:

SRT Compliance Certificate no:

S1247

Vehicle Identification No.(VIN):

7A9E25013M2023113

Vehicle chassis No:

2113

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:

10.365 metres

Maximum height of load or vehicle body:

4.30 metres

Front suspension type:

User Defined

Rear suspension type:

User Defined

I, Inderjeet Singh 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 0.33g This vehicle fails to meet the minimum SRT target of 0.35g. It will meet the standard if:

- At maximum load height of 4.3 metres, the maximum allowable gross mass is 29.7 tonnes. (a)
- At maximum gross mass of 35 tonnes, the maximum allowable load height is 4.04 metres. The vehicle achieves the minimum SRT of 0.35g at the following weight and height combinations:

Gross Mass (tonnes)	Load Height (m)		
35	4.04		
34	4.08		
33	4.13		
32	4.17		
31	4.22		
30	4.27		
29	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; $Y2 = 35 tonnes / X2 = 4.04 metres$.	

The type of test carried out to establish this rating was: NZTA SRT Calculator Version 2.12c

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):	13120	15960			
Tare mass (kg):	2880	3040			
Average load bed height (m):	0.983				
Average load height (m):	4.	30			
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-68A	SAF Intradisc IU28/2005RZ-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: Inderyeo Dilgh
Vehicle Inspector/Inspecting Organisation No ISH

SRT Compliance Certificate no:

Name: Inderjeet Singh

Date: 8/12/2021

S1247