

# Static Roll Threshold Compliance Certificate

Name of vehicle owner: Heikell Transport  
Address: Edgecumbe  
SRT Compliance Certificate no: S136  
Vehicle Identification No.(VIN): 7A9D25011X0023148  
Vehicle chassis No: 148  
Current vehicle registration: 6773N  
Type of vehicle: Full-Trailer  
No of axles in front set: 2 No of axles in rear set: 2  
Deck length of vehicle: 8.8 metres  
Maximum height of load or vehicle body: 4.25 metres  
Front suspension type: User Defined  
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 the vehicle mentioned 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 maximum load height of 4.24 metres and a maximum allowable gross mass of 23 tonnes, the SRT is 0.35g

This vehicle exceeds the minimum SRT standard of 0.35g.

Results of SRT test to be displayed on Certificate of Loading

X1 = 4.24 metres / Y1 = 23 tonnes ; Y2 = 23 tonnes / X2 = 4.24 metres.

The type of test carried out to establish this rating was:

- (i) ~~Tilt table~~
- (ii) LTSA SRT Calculator Version 1.22c
- (iii) ~~other as follows:~~

## 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

### Mass and Suspension Data:

Inputs	Front	Rear
Gross mass (kg):	11500	11500
Payload mass (kg):	7440	7380
Tare mass (kg):	4060	4120
Load bed height (m):	1.05	1.05
Load height (m):	4.24	4.24
Suspension type:	User Defined	User Defined
Suspension track width (m):	.965	.965
Lash (mm):	50	50
Suspension brand/model:	Reyco 21B 007902	Reyco 21B 007902
Roll stiffness/axle (Nm/radian):	880997	880997
Spring stiffness/spring (N/m):	1891274	1891274
Roll centre height from axle (m):	0.216	0.216

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  
**BJS**

Date: **16/7/2003**

SRT Compliance Certificate no:

S136

### Special Conditions / Notes:

The mass and height values shown above are based on a trailer deck height of 1.05 metres and average spring lash of 50mm.

This certificate is only valid if the signature is original and may be withdrawn if;

- The vehicle is not operated within current legal limits and within the limits specified on this certificate.
- Changing circumstances / regulations render this certificate invalid.
- The vehicle is involved in an accident.
- The vehicle / structure is not maintained to accepted standards.
- Unauthorized repairs or modifications are made subsequent to the issue of this certificate.