

Heavy vehicle specialist inspector's or manufacturing inspecting organisation's name *(PRINT IN CAPS)* **MATTHEW CONNOLLY** ID **MHC**

Vehicle registration *(optional)* VIN/chassis number  
**7 A 9 E 2 0 0 1 9 L 2 0 2 3 0 2 2**

Make **DOMETT** Component being certified:  Chassis  Load anchorage  
 Model *(optional)* **2020 E2001 PH**  Log bolsters  Towing connection  Brakes  
 Certification category **HVS2**  SRT  PSV stability  PSV rollover  
 Swept path  PBS

Description of work  
**CERTIFY SRT - 5 AXLE FULL TRAILER**

Code/standard/rule certified to **NZTA RULE 41001:2016** Component load rating(s)  
**X1 = 4.30m / Y1 = 29t**  
**Y2 = 35t / X2 = 4.01m**  
**LOAD TYPE: UNIFORM DENSITY**

Supporting documents  
**SRT COMPLIANCE CERT # S1178**

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 *Matthew Connolly*  
 Inspector's name *(PRINT IN CAPS)* **MATTHEW CONNOLLY** ID number **M H C**  
 Date **02-02-2021** Number **773751**

CoF vehicle inspector ID *(if applicable)* CoF vehicle inspector signature *(if applicable)* Date

All fields are mandatory unless otherwise stated.

# Static Roll Threshold Compliance Certificate

**Name of vehicle owner:** Grewal Transport Ltd  
**Address:**  
**SRT Compliance Certificate no:** S1178  
**Vehicle Identification No.(VIN):** 7A9E20019L2023022  
**Vehicle chassis No:** 2022  
**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:** 11.40 metres  
**Maximum height of load or vehicle body:** 4.30 metres  
**Front suspension type:** User Defined  
**Rear suspension type:** User Defined

I, **Matthew Connolly 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:

- (a) At maximum load height of 4.3 metres, the maximum allowable gross mass is 29.7 tonnes.
  - or (b) At maximum gross mass of 35 tonnes, the maximum allowable load height is 4.01 metres.
- The vehicle achieves the minimum SRT of 0.35g at the following weight and height combinations:

Gross Mass (tonnes)	Load Height (m)
35	4.01
34	4.06
33	4.11
32	4.15
31	4.21
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 = 4.01 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):	12880	15120
Tare mass (kg):	3120	3880
Average load bed height (m):	1.078	
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	SAF Intradisc IU28/2005RZ
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: **Matthew Connolly**

Vehicle Inspector/Inspecting Organisation No **MHC**

Date: **2/2/2021**

SRT Compliance Certificate no:

**S1178**