

Heavy vehicle specialist inspector's or manufacturing inspecting organisation's name *(PRINT IN CAPS)* **INDERJEET SINGH** ID **ISH**

Plate number *(optional)* _____ VIN/chassis number **7 A 9 E 2 5 0 1 6 N 2 0 2 3 1 4 1**

Make **DOMETT** Component being certified: Chassis Load anchorage
IS

Model *(optional)* **2021 E2501 H** 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 = 27t**

General drawing number(s) _____ **Y2 = 35t / X2 = 3.89m**
LOAD TYPE: UNIFORM DENSITY

Supporting documents **SRT COMPLIANCE CERT # S1250**

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 **Inderjeet Singh**

Inspector's name *(PRINT IN CAPS)* **INDERJEET SINGH** ID number **ISH**

Date **17-12-2021** Number **794724**

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: Leonard Transport Ltd
Address:
SRT Compliance Certificate no: S1250
Vehicle Identification No.(VIN): 7A9E25016N2023141_
Vehicle chassis No: 2141
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: 11.350 metres
Maximum height of load or vehicle body: 4.30 metres
Front suspension type: Generic Air High Stiffness
Rear suspension type: Generic Air High Stiffness

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 0.32g
 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 27.5 tonnes.
 - or (b) At maximum gross mass of 35 tonnes, the maximum allowable load height is 3.89 metres.
- The vehicle achieves the minimum SRT of 0.35g at the following weight and height combinations:

| Gross Mass (tonnes) | Load Height (m) |
|---------------------|-----------------|
| 35 | 3.89 |
| 34 | 3.93 |
| 33 | 3.98 |
| 32 | 4.04 |
| 31 | 4.08 |
| 30 | 4.14 |
| 29 | 4.2 |
| 28 | 4.26 |
| 27 | 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 = 27 tonnes ; Y2 = 35 tonnes / X2 = 3.89 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 | 17.5 | Dual |
| 2 | 17.5 | Dual |
| 3 | 17.5 | Dual |
| 4 | 17.5 | Dual |
| 5 | 17.5 | Dual |

Body Style is Standard

Mass and Suspension Data:

| Inputs | Front | Rear |
|------------------------------|----------------------------|----------------------------|
| Gross mass (kg): | 16000 | 19000 |
| Payload mass (kg): | 13600 | 15500 |
| Tare mass (kg): | 2400 | 3500 |
| Average load bed height (m): | .950 | |
| Average load height (m): | 4.30 | |
| Suspension type: | Generic Air High Stiffness | Generic Air High Stiffness |
| Suspension track width (m): | 0.98 | 0.98 |
| Lash (mm): | 95 | 95 |

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: Inderjeet Singh

Name: **Inderjeet Singh**

Vehicle Inspector/Inspecting Organisation No **ISH**

Date: **17/12/2021**

SRT Compliance Certificate no:

S1250