

Heavy vehicle specialist inspector's or manufacturing inspecting organisation's name (PRINT IN CAPS)

GEORGE BARBOUR

ID

GRB4

Plate number (optional)

VIN/chassis number  
 7 A 9 E 2 0 0 1 2 N 2 0 2 3 2 1 9

Make

2022 DOMETT

Component being certified:

Chassis

Load anchorage

Model (optional)

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

VDAM 41001 : 2016

Component load rating(s)

X1 = 4.3m / Y1 = 30 tonnes

General drawing number(s)

6585-04

Y2 = 35 tonnes / X2 = 4.04m

LOAD TYPE: UNIFORM DENSITY

Supporting documents

SRT COMPLIANCE CERTIFICATE ATTACHED

Special conditions (optional)

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 AN NZTA 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 (if applicable)

N/A

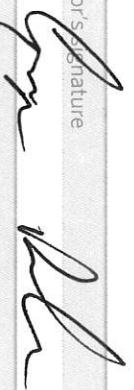
OR

Hubodometer reading (whichever comes first)

**Declaration**

Designer's ID (if different from inspector below)

Inspector's signature



Inspector's name (PRINT IN CAPS)

GEORGE BARBOUR

ID number

G R B 4

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.

Date

22-08-2022

Number

833371

CoF vehicle inspector ID (if applicable)

CoF vehicle inspector signature (if applicable)

Date

All fields are mandatory unless otherwise stated.

LT400 No:

833371

Refer No:

6585-04

**PDS :**

CERTIFICATE OF COMPLIANCE

Certifier: GEORGE BARBOUR

ID: GRB4

Branch : Promech Consultants Ltd, 103 Wharf Street Tauranga

Client : Domett Truck & Trailer Limited

Order No: PO45037

Address : 217 Taurikura Drive, Tauriko, PO Box 9458, Greerton,  
Tauranga

Phone No: (07) 575 5139

Vehicle Details :

Make: 2022 DOMETT	Model: E2001 PH	Rego:						
VIN / Chassis: 7 A 9 E	2 0 0 1 2 N 2	0 2 3 2 1 9						
Class: TD	Speedo: -	km	Hubmeter:					
GCM: -	kg	GVM: 32000	kg	Tare: 6500	kg			

Requirements of customer and standards / Codes design to comply with :

Item certified: SRT

Standards / codes: VDAM 41001: 2016

Operating condition and intended use : On highway

Welder: Refer Checklistsheet

Assumptions & Special Conditions: SRT COMPLIANCE CERTIFICATE ATTACHED

Fabrication / Installation Instructions / Drawing No:

Design For: Single use Design Life: N/A

Static Roll Threshold inspection check sheet completed:  Y  Pass:  Y  Time:

Description of work :  
CERTIFY SRT - 5 AXLE FULL TRAILER

Rechecked and Passed  Y

I declare that I am a heavy vehicle specialist certifier engineer and I hold a current valid appointment. I certify that at the time of inspection this vehicle component design and this certification comply in all respects with the Land Transport Rule: Vehicle Standards Compliance 2002; my Notice of Appointment and applicable requirements. To the best of my knowledge the information contained in this certificate is true and correct.

Heavy Vehicle Specialist Inspector Signature:  Date: 22/08/2022

**Promech Conditions of Contractual Engagement :**

ACENZ / IPENZ Conditions of Engagement Apply (Conditions are available on request, standard form No. 1-038). The liability of the certifier to the client in respect of his / her services for the project shall be limited to five times the value of the Promech Consultants fee.  
The client will also indemnify the Consultant for any damages, loss or costs the Consultant, as a result of providing the services, must pay or suffers under its Deed of Appointment with the Director of Land Safety to be a Heavy Vehicle Specialist Certifier. However, this indemnity will not apply to the extent that the damages, costs or loss are due to any breach by the Consultant of its common law duty of care to the Director when performing its obligations under the Deed of Appointment.  
The client understands that all correspondence and communication regarding work to be carried out is a recommendation by the individual Certifier for standards compliance only and not an instruction to the engineering workshop to carry out the work.  
The client should discuss any concerns regarding this certification with the Certifier or submit a formal written complaint, including the date and Promech job number or description to the attention of the Certifier identified above. The client may appeal to the NZTA if dissatisfied with any matters related to the certification.

# Static Roll Threshold Compliance Certificate

Name of vehicle owner:

TR Group Ltd

Address:

SRT Compliance Certificate no:

6585-04

Vehicle Identification No.(VIN):

7A9E20012N2023219

Vehicle chassis No:

2219

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:

11.3 metres

Maximum height of load or vehicle body:

4.3 metres

Front suspension type:

User Defined

Rear suspension type:

User Defined

I, **George Barbour of Promech 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      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 30.5 tonnes.  
or (b)    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	4.09
33	4.15
32	4.2
31	4.26
30	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 = 30 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):	12520	14920
Tare mass (kg):	3480	4080
Average load bed height (m):	1.08	
Average load height (m):	4.3	
Suspension type:	User Defined	User Defined
Suspension track width (m):	0.94	0.94
Lash (mm):	90	90
Suspension brand/model:	SAF IU28	SAF IU28
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: **George Barbour**

Vehicle Inspector/Inspecting Organisation No **GRB4**

Date: **26/8/2022**

SRT Compliance Certificate no:

**6585-04**