



DESIGN CERTIFICATE - TRAILER GVM

Certificate No. G-193

VEHICLE MAKE : DOMETT

MODEL : D2501

SERIAL/CHASSIS No : 252

V.I.N. No : 7A9D2501210023252

REGISTRATION No. :

OWNER/OPERATOR : OTOROHANGA TRANSPORT

I, Andrew van Kampen, certify that the above trailer has been manufactured from drawing no's. Q 1188
And it is my belief that the material quality, welding and workmanship are in accordance with those drawings.

I also certify that the above drawings are based on normal principles of mechanical design and in my opinion calculated stresses are such that the above trailer is suitable for a Maximum Gross Vehicle Mass of 29,000kg.

Signed *Andrew van Kampen*

Date *5-6-2001*

Approved Certifying Engineer No AVK - HVEC

This certificate is only valid if the signature is original and may be withdrawn if:

- A) The vehicle is not operated within current legal limits and within the limits specified on this certificate.
- B) Changing circumstances/regulation render this certificate invalid.
- C) The vehicle is involved in an accident.
- D) The vehicle/structure is not maintained to accepted standards.
- E) Repairs or modifications are made subsequent to the issue of this certificate.

Unless otherwise stated above, this certificate expires ten years after the date of issue.



DESIGN CERTIFICATE - LOAD ANCHORAGE

Certificate No. L 183

VEHICLE MAKE : DOMETT

MODEL : D2501

SERIAL/CHASSIS No : 252

V.I.N. No. : 7A9D2501210023252

REGISTRATION No. :

OWNER/OPERATOR : OTOROHANGA TRANSPORT

I, Andrew van Kampen, certify that Load Anchorage Points have been fitted to the above vehicle according to drawing no's. Q 1188 - L

And it is my belief that the material quality, welding and workmanship are in accordance with those drawings.

I also certify that the design of the Load Anchorage Points and the above drawings are based on the requirements of NZS 5444 : 1989 LOAD ANCHORAGE POINTS FOR HEAVY VEHICLES.

LOAD ANCHOR POINT RATINGS

TYPE	No. PER SIDE	RATING
25mm PIPE RAIL	18 SPANS	500kg EACH
25mm PIPE AT DROPPERS	17	2,600kg EACH
10mm DOAMING RAIL	CONTINUOUS	5 x 5,000kg

Special Conditions :

- 1) Pipe rail rating over 500kg only applies with lashing against Dropper/Support.
- 2) Vehicle intended for transportation of livestock with an attached stock crate. The load anchorages fitted do **NOT** fully comply with NZS 5444 for general freight.
- 3) Coaming rail rating applies for use with stock crate J-Hooks complying with NZS 5413, 5 per side spaced evenly at 2000-2400mm.

Signed *Andrew van Kampen* Date *5-6-2001*

Approved Certifying Engineer No AVK - HVEA

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- B) Changing circumstances/regulation render this certificate invalid.
- C) The vehicle is involved in an accident.
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DESIGN CERTIFICATE - TOWING CONNECTION

Certificate No. D 399

VEHICLE MAKE : DOMETT

MODEL : D2501

SERIAL/CHASSIS No : 252

V.I.N. No. : 7A9D2501210023252

REGISTRATION No. :

OWNER/OPERATOR : OTOROHANGA TRANSPORT

I, Andrew van Kampen, certify that the drawbar/~~drawbeam~~ and its attachments as fitted to the above vehicle, has been manufactured according to drawing no's Q 1188 - T

And it is my belief that the material quality, welding and workmanship are in accordance with those drawings. The welding has been carried out by W Yorke whose qualification NZS 4711 GD expires on 03/11/2001.

I also certify that the design of the drawbar/~~drawbeam~~ and the above drawings are based on the requirements of NZS 5446:1987 HEAVY MOTOR VEHICLE TOWING CONNECTIONS: DRAWBAR TRAILERS, for a Maximum Towed Mass of 29,000kg, subject to the following special conditions, _____

Certificate Expiry Date : 29/05/2011

Signed *Andrew van Kampen*

Date 5-6-2001

Approved Certifying Engineer No AVK - HVET

The drawbar/~~drawbeam~~ is identified by a rating plate as illustrated overleaf.

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- B) Changing circumstances/regulation render this certificate invalid.
- C) The vehicle is involved in an accident.
- D) The vehicle/structure is not maintained to accepted standards.
- E) Repairs or modifications are made subsequent to the issue of this certificate.

Static Roll Threshold Compliance Certificate

Name of vehicle owner: OTOROHANGA
TRANSPORT

Address: OTOROHANGA

SRT Compliance Certificate no: S104

Vehicle Identification No.(VIN): 7A9D2501210023252

Vehicle chassis No: 252

Current vehicle registration: 1982W

Type of vehicle: Full-Trailer

No of axles in front set: 2 **No of axles in rear set:** 2

Deck length of vehicle: 8.85 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 4.25 metres and a maximum allowable gross mass of 23.5 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 = 4.25 metres / Y1 = 23.5 tonnes ; Y2 = 23.5 tonnes / X2 = 4.25 metres.

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

- (i) ~~Tilt table~~
- (ii) LTSA SRT Calculator Version 1.2c
- (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):	11750	11750
Payload mass (kg):	7950	7870
Tare mass (kg):	3800	3880
Load bed height (m):	1.07	1.07
Load height (m):	4.25	4.25
Suspension type:	User Defined	User Defined
Suspension track width (m):	.965	.965
Lash (mm):	62	60
Suspension brand/model:	REYCO 21B T5555	REYCO 21B T5555
Roll stiffness/axle (Nm/radian):	1549903	1549903
Spring stiffness/spring (N/m):	3327242	3327242
Roll centre height from axle (m):	0.241	0.241

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: **12/3/2003**

SRT Compliance Certificate no:

S104

Special Conditions / Notes:

The mass and height values shown above are based on a trailer platform height of 1.07 metres, with a spring lash of 60 mm.

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- 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.