

002 20:30 7/5/2001 DOMETT4A.DT4
 STATEMENT OF COMPLIANCE WITH THE NEW ZEALAND HEAVY VEHICLE BRAKE CODE

VEHICLE TYPE : FULL TRAILER

MAKE : DOMETT. MODEL : D2501.

SERIAL NUMBER : 250. GVM (on road) : 29,000 Kg.

GVM (off road) : 29,000 Kg. GCM : N/A.

UNLADEN CoG HEIGHT : 0.750 WHEELBASE : 5.815

UNLADEN MASS, FRONT : 2.600 UNLADEN MASS, REAR : 2.300

PAYLOAD : 24.10

PAYLOAD CoG HEIGHT : 2.000 POSITION : 2.945 RANGE :

FRONT SUSPENSION TYPE : DUAL AXLE REAR SUSPENSION TYPE : DUAL AXLE
 REACTIVE/NONREACTIVE : REACTIVE. REACTIVE/NONREACTIVE : REACTIVE.

SYSTEM PRESSURE: MAXIMUM OPERATING Pm : N/A.
 GOVERNOR CUTIN Pg : N/A.
 TIME Pg to Pm : N/A.

AXLE	COUPLING THRESHOLD kPa	BRAKE FORCE kN/kPa	TYRE SIZE mm	FRICTION MATERIAL		
				MAKE	ID NUMBER	COF
1	73.24	0.103	408.0	FERODO.	NAB048 FF.	0.380
2	73.24	0.103	408.0	FERODO.	NAB048 FF.	0.380
3	60.75	0.065	408.0	FERODO.	NAB048 FF.	0.380
4	60.75	0.065	408.0	FERODO.	NAB048 FF.	0.380

AXLE	BRAKE TYPE	DRUM DIAMETER	CHAMBER SIZE	SLACK LENGTH	SPRING FORCE
1	S, CAM. (IMT)	381.0	140.6	152.4	0.000
2	S, CAM. (IMT)	381.0	140.6	152.4	0.000
3	S, CAM. (IMT)	381.0	140.6	152.4	5.940
4	S, CAM. (IMT)	381.0	140.6	152.4	5.940

TRAILER

VALVE TYPE	MAKE	MODEL/VERSION
RELAY 1	BENDIX.	R-12 (38KPA CRACK)
RELAY 2	BENDIX.	R-12 (28KPA CRACK)
SPRING BRAKE VALVE	BENDIX.	SR-5 P/No:102831.
QUICK RELEASE VALVE	N/A.	N/A.
PILOT	BENDIX.	SC-3 (TANK PROTEC)
OTHER	BENDIX.	F.R.V.RATIO SET @60%
OTHER	BENDIX.	PP-V EMERG RELEASE

I, the undersigned do hereby certify that the vehicle identified above complies with all requirements of the current New Zealand Heavy Vehicle Brake Code.

Date : 8/5/2001.

Signed : *R.A. Finch*

Certifier's Identification

Name : R.A.FINCH. (RF)

Phone : (07)347-7872.

Postal Address : BNT COMMERCIAL.
: P.O.Box 233.
: ROTORUA. (RF020559)

Fax : (07)346-1566.

Position : HVEB CERTIFIER. (R.F)

Modification

I, the undersigned do hereby re-certify the vehicle identified above, as modified complies with all requirements of the current New Zealand Heavy Vehicle Brake Code.

Date :

Signed :

Certifier's Identification

Name :

Phone :

Postal Address :

Fax :

Position:

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NIGEL PARKER, WAIPU. 8/5/2001.
DOMETT 4 AXLE FLAT DECK LIVESTOCK
TRAILER, Job/No: 1177, S/No: 250, Rego:
Vin/No: 7A9D2501910023250.
CERT No: RFO20559.

VEHICLE TYPE : FULL TRAILER
FRONT SUSPENSION TYPE : DUAL AXLE
REAR SUSPENSION TYPE : DUAL AXLE

TARE MASS ON THE FRONT SUSPENSION OF THE VEHICLE : 2.600 tonnes
TARE MASS ON THE REAR SUSPENSION OF THE VEHICLE : 2.300 tonnes
VEHICLE WHEELBASE : 5.815 m
CENTRE OF GRAVITY HEIGHT FOR THE UNLADEN VEHICLE : 0.750 m
MASS OF THE LOAD ON THE VEHICLE : 24.10 tonnes
LENGTH FROM FRONT SUSPENSION TO LOAD CoG : 2.945 m
HEIGHT OF THE LOAD CoG ABOVE GROUND : 2.000 m

Laden mass on the front suspension = 14.49
Laden mass on the rear suspension = 14.50

AXLE TYPE	NO. OF VALVES	RATIO VALVE	INSHOT PRESSURE	RATIO OUT/IN	COUPLING PRESSURE 100Nm DRUM TORQUE
1	1	0	0.000	0.000	73.24
2	2	1	70.00	0.600	60.75

AXLE TYPE	VALVE NO.	CRACKING PRESSURE	PRESSURE IN kPa	PRESSURE OUT kPa
1	1	38.00	800.0	800.0
2	1	0.000	650.0	418.0
2	2	28.00	275.0	279.0

AXLE TYPE	LINING CoF	CHAMBER AREA cm ²	ADJUSTER LENGTH mm	TYRE RADIUS mm	BRAKE DRUM RADIUS mm
1	0.380	140.6	152.4	408.0	190.5
2	0.380	140.6	152.4	408.0	190.5

AXLE TYPE	S-CAM RADIUS mm	% BRAKE EFFICIENCY	CHAMBER PRESSURE 100Nm DRUM TQUE.
1	13.09	0.850	37.00
2	13.09	0.850	37.00

VEHICLE BRAKE FORCE/TONNE AT 500kPa = 5.10kN/tonne

AXLE NO.	AXLE TYPE	EMERGENCY PRESSURE kPa	PARKING FORCE kN
1	1	345.0	0.000
2	1	345.0	0.000
3	2	345.0	5.940
4	2	345.0	5.940

STOPPING DISTANCE FOR EMERGENCY PRESSURE = 8.15 m

STOPPING DISTANCE FOR SPRING BRAKES = 13.06 m

THE PARKING BRAKES WILL HOLD THE VEHICLE ON A 1 IN 3.55 SLOPE

NIGEL PARKER, WAIPU. 8/5/2001.

