

002 16:13 13/11/2000 DOMETT4A.DT4  
 STATEMENT OF COMPLIANCE WITH THE NEW ZEALAND HEAVY VEHICLE BRAKE CODE

VEHICLE TYPE : FULL TRAILER

MAKE : DOMETT. MODEL : D2501.

SERIAL NUMBER : 213. GVM (on road) : 29,000 Kg.

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

UNLADEN CoG HEIGHT : 0.750 WHEELBASE : 5.870

UNLADEN MASS, FRONT : 2.500 UNLADEN MASS, REAR : 2.300

PAYLOAD : 24.20

PAYLOAD CoG HEIGHT : 2.000 POSITION : 2.960 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	0.104	403.0	FERODO.	NAB048 FF.	0.380
2	73.24	0.104	403.0	FERODO.	NAB048 FF.	0.380
3	60.75	0.066	403.0	FERODO.	NAB048 FF.	0.380
4	60.75	0.066	403.0	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 : 13/11/2000.

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.

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: .....

002 16:8 13/11/2000 DOMETT4A.DT4

LEONARD TRANSPORT, TAUPD. 13/11/2000.

DOMETT 4 AXLE LIVESTOCK TRAILER.

Job/No: 1071, S/No: 213, Rego:

Vin/No: 7A9D25010Y0023213.

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

TARE MASS ON THE FRONT SUSPENSION OF THE VEHICLE : 2.500 tonnes  
TARE MASS ON THE REAR SUSPENSION OF THE VEHICLE : 2.300 tonnes  
VEHICLE WHEELBASE : 5.870 m  
CENTRE OF GRAVITY HEIGHT FOR THE UNLADEN VEHICLE : 0.750 m  
MASS OF THE LOAD ON THE VEHICLE : 24.20 tonnes  
LENGTH FROM FRONT SUSPENSION TO LOAD CoG : 2.960 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 <sup>3</sup>	ADJUSTER LENGTH mm	TYRE RADIUS mm	BRAKE DRUM RADIUS mm
1	0.380	140.6	152.4	403.0	190.5
2	0.380	140.6	152.4	403.0	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 = 5.16kN/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 = 8.05 m

STOPPING DISTANCE FOR SPRING BRAKES = 12.90 m

THE PARKING BRAKES WILL HOLD THE VEHICLE ON A 1 IN 3.50 SLOPE

LEONARD TRANSPORT, TAUPŌ. 13/11/2000.

