

002 17:34 12/10/2000 DOMETT4A.DT4
 STATEMENT OF COMPLIANCE WITH THE NEW ZEALAND HEAVY VEHICLE BRAKE CODE

VEHICLE TYPE : FULL TRAILER

MAKE : DOMETT. MODEL : D2001.

SERIAL NUMBER : 208. GVM (on road) : 29,000 Kg.

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

UNLADEN CoG HEIGHT : 0.730 WHEELBASE : 5.830

UNLADEN MASS,FRONT : 3.100 UNLADEN MASS,REAR : 2.900

PAYLOAD : 23.00

PAYLOAD CoG HEIGHT : 2.000 POSITION : 2.941 RANGE :

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

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	74.19	0.086	408.0	FERODO.	NAB048 FF.	0.380
2	74.19	0.086	408.0	FERODO.	NAB048 FF.	0.380
3	61.64	0.078	408.0	FERODO.	NAB048 FF.	0.380
4	61.64	0.078	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	127.0	0.000
2	S,CAM.(IMT)	381.0	140.6	127.0	0.000
3	S,CAM.(IMT)	381.0	140.6	127.0	5.940
4	S,CAM.(IMT)	381.0	140.6	127.0	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 @90%
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 : 12/10/2000.

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:

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ORIX NZ LTD, AUCKLAND. 12/10/2000.
DOMETT 4 AXLE CURTAINSIDER TRAILER.
Job/No: 1013, S/No: 208, Rego:
Vin/No: 7A9D20013Y0023208.

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

TARE MASS ON THE FRONT SUSPENSION OF THE VEHICLE : 3.100 tonnes
TARE MASS ON THE REAR SUSPENSION OF THE VEHICLE : 2.900 tonnes
VEHICLE WHEELBASE : 5.830 m
CENTRE OF GRAVITY HEIGHT FOR THE UNLADEN VEHICLE : 0.730 m
MASS OF THE LOAD ON THE VEHICLE : 23.00 tonnes
LENGTH FROM FRONT SUSPENSION TO LOAD CoG : 2.941 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	74.19
2	2	1	70.00	0.900	61.64

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	592.0
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	127.0	408.0	190.5
2	0.380	140.6	127.0	408.0	190.5

AXLE TYPE	S-CAM RADIUS mm	% BRAKE EFFICIENCY	CHAMBER PRESSURE 100Nm DRUM TQUE.
1	13.09	0.850	38.00
2	13.09	0.850	38.00

VEHICLE BRAKE FORCE/TONNE AT 500kPa = 4.98kN/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 = 9.77 m

STOPPING DISTANCE FOR SPRING BRAKES = 15.67 m

THE PARKING BRAKES WILL HOLD THE VEHICLE ON A 1 IN 4.31 SLOPE

ORIX NZ LTD, AUCKLAND, 12/10/2000.

