

VEHICLE TYPE : FULL TRAILER

MAKE : DOMETT MODEL : D2001

SERIAL NUMBER : 186 GVM (on road) : 29000

GVM (off road) : N/A GCM : N/A

UNLADEN CoG HEIGHT : 0.800 WHEELBASE : 6.296

UNLADEN MASS, FRONT : 2.940 UNLADEN MASS, REAR : 2.780

PAYLOAD : 23.28

PAYLOAD CoG HEIGHT : 2.000 POSITION : 3.171 RANGE : N/A

FRONT SUSPENSION TYPE : DUAL AXLE REAR SUSPENSION TYPE : DUAL AXLE
 REACTIVE/NONREACTIVE : NON REACTIVE REACTIVE/NONREACTIVE : NON 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	61.39	0.096	400.0	FERODO	PM17/20	0.380
2	61.39	0.096	400.0	FERODO	PM17/20	0.380
3	61.39	0.063	400.0	FERODO	PM17/20	0.380
4	61.39	0.063	400.0	FERODO	PM17/20	0.380

AXLE	BRAKE TYPE	DRUM DIAMETER	CHAMBER SIZE	SLACK LENGTH	SPRING FORCE
1	IMT S-CAM	380.0	140.0	150.0	0.000
2	IMT S-CAM	380.0	140.0	150.0	0.000
3	IMT S-CAM	380.0	140.0	150.0	5.940
4	IMT S-CAM	380.0	140.0	150.0	5.940

TRAILER

VALVE TYPE	MAKE	MODEL/VERSION
RELAY 1	BENDIX	R12 102277
RELAY 2	BENDIX	R12 102277
SPRING BRAKE VALVE	BENDIX	102831 SR5
QUICK RELEASE VALVE	-	-
PILOT	-	-
OTHER	BENDIX	PP1
OTHER	BENDIX	FRV RATIO @65%

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 MAR 02

Signed : 

Certifier's Identification

Name : B.R. LAING

Phone : (09)9807300

Company : TRANSPORT SPECIALTIES LTD

Postal Address : CNR KERRS & ASH RDS
 : WIRI AUCKLAND
 : PO BOX 98-971 S.A.M.C

Fax : (09)9807306

Position : BRL

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 :

Company :

Postal Address :

Fax :

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Position :

0203834 DOMETT CHASSI 186

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

TARE MASS ON THE FRONT SUSPENSION OF THE VEHICLE : 2.940 tonnes
 TARE MASS ON THE REAR SUSPENSION OF THE VEHICLE : 2.780 tonnes
 VEHICLE WHEELBASE : 6.296 m
 CENTRE OF GRAVITY HEIGHT FOR THE UNLADEN VEHICLE : 0.800 m
 MASS OF THE LOAD ON THE VEHICLE : 23.28 tonnes
 LENGTH FROM FRONT SUSPENSION TO LOAD CoG : 3.171 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
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1	1	0	0.000	0.000	61.39
2	2	1	70.00	0.650	61.39

AXLE TYPE	VALVE NO.	CRACKING PRESSURE	PRESSURE IN kPa	PRESSURE OUT kPa
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1	1	27.90	650.0	650.0
2	1	0.000	650.0	447.0
2	2	27.90	650.0	650.0

AXLE TYPE	LINING CoF	CHAMBER AREA cm ²	ADJUSTER LENGTH mm	TYRE RADIUS mm	BRAKE DRUM RADIUS mm
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1	0.380	140.0	150.0	400.0	190.0
2	0.380	140.0	150.0	400.0	190.0

AXLE TYPE	S-CAM RADIUS mm	% BRAKE EFFICIENCY	CHAMBER PRESSURE 100Nm DRUM TQUE.
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1	13.09	0.800	35.00
2	13.09	0.800	35.00

VEHICLE BRAKE FORCE/TONNE AT 500kPa = 4.92kN/tonne

AXLE NO.	AXLE TYPE	EMERGENCY PRESSUP ⁻ kPa	PARKING FORCE kN
1	1	490.0	0.000
2	1	490.0	0.000
3	2	490.0	5.940
4	2	490.0	5.940

STOPPING DISTANCE FOR EMERGENCY PRESSURE = 5.90 m

STOPPING DISTANCE FOR SPRING BRAKES = 13.77 m

THE PARKING BRAKES WILL HOLD THE VEHICLE ON A 1 IN 3.76 SLOPE

0203834 DOMETT CHASSIS 186

