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STATEMENT OF COMPLIANCE WITH THE NEW ZEALAND HEAVY VEHICLE BRAKE CODE

VEHICLE TYPE	: FULL TRAILER		
MAKE	: DOMETT	MODEL	: D2501
SERIAL NUMBER	: 148	GVM (on road)	: 29000
GVM (off road)	: N/A	GCM	: N/A
UNLADEN CoG HEIGHT	: 0.850	WHEELBASE	: 5.810
UNLADEN MASS,FRONT	: 2.550	UNLADEN MASS,REAR	: 2.250
PAYLOAD	: 24.20		
PAYLOAD CoG HEIGHT	: 2.000	POSITION : 2.940	RANGE : N/A
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	64.33	0.089	400.0	FERODO	PM17/20	0.380
2	64.33	0.089	400.0	FERODO	PM17/20	0.380
3	64.33	0.067	400.0	FERODO	PM17/20	0.380
4	64.33	0.067	400.0	FERODO	PM17/20	0.380

AXLE	BRAKE TYPE	DRUM DIAMETER	CHAMBER SIZE	SLACK LENGTH	SPRING FORCE
1	IMT S-CAM	350.0	140.0	150.0	0.000
2	IMT S-CAM	350.0	140.0	150.0	0.000
3	IMT S-CAM	350.0	140.0	150.0	5.940
4	IMT S-CAM	350.0	140.0	150.0	5.940

TRAILER

VALVE TYPE	MAKE	MODEL/VERSION
RELAY 1	SEALCO	110415
RELAY 2	SEALCO	110415
SPRING BRAKE VALVE	SEALCO	110170
QUICK RELEASE VALVE	-	-
PILOT	-	-
OTHER	SEALCO	17600B
OTHER	WABCO	475/713/000/0 @ 75%

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 : 14 SEP 99 Signed : .....

Certifier's Identification

Name : B.R. LAING Phone : (09)9807300

Company : TRANSPORT SPECIALTIES LTD

Postal Address : CNR KERRS & ALLENS RDS Fax : (09)9807306
: WIRI AUCKLAND
: PO BOX 98-971

Position : LTSA CERTIFIER #1055

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 : .....

.....

Position : .....

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9909789 DOMETT CHASSIS 148

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

TARE MASS ON THE FRONT SUSPENSION OF THE VEHICLE : 2.550 tonnes
TARE MASS ON THE REAR SUSPENSION OF THE VEHICLE : 2.250 tonnes
VEHICLE WHEELBASE : 5.810 m
CENTRE OF GRAVITY HEIGHT FOR THE UNLADEN VEHICLE : 0.850 m
MASS OF THE LOAD ON THE VEHICLE : 24.20 tonnes
LENGTH FROM FRONT SUSPENSION TO LOAD CoG : 2.940 m
HEIGHT OF THE LOAD CoG ABOVE GROUND : 2.000 m

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

AXLE TYPE	NO. OF VALVES	RATIO VALVE	INSHOT PRESSURE	RATIO OUT/IN	COUPLING PRESSURE 100Nm DRUM TORQUE
1	1	0	0.000	0.000	64.33
2	2	1	70.00	0.750	64.33

AXLE TYPE	VALVE NO.	CRACKING PRESSURE	PRESSURE IN kPa	PRESSURE OUT kPa
1	1	31.00	650.0	650.0
2	1	0.000	650.0	505.0
2	2	31.00	650.0	650.0

AXLE TYPE	LINING CoF	CHAMBER AREA cm²	ADJUSTER LENGTH mm	TYRE RADIUS mm	BRAKE DRUM RADIUS mm
1	0.380	140.0	150.0	400.0	175.0
2	0.380	140.0	150.0	400.0	175.0

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

VEHICLE BRAKE FORCE/TONNE AT 500kPa = 4.79kN/tonne

AXLE NO.	AXLE TYPE	EMERGENCY PRESSURE 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 = 6.40 m

STOPPING DISTANCE FOR SPRING BRAKES = 14.93 m

THE PARKING BRAKES WILL HOLD THE VEHICLE ON A 1 IN 4.10 SLOPE

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