

## STATEMENT OF COMPLIANCE WITH THE NEW ZEALAND HEAVY VEHICLE BRAKE CODE

VEHICLE TYPE : SEMI-TRAILER  
 MAKE : DOMETT MODEL : C5002  
 SERIAL NUMBER : 168 GVM (on road) : 36000  
 GVM (off road) : N/A GCM : N/A  
 UNLADEN CoG HEIGHT : 0.000 WHEELBASE : 0.000  
 UNLADEN MASS, FRONT : 20.00 UNLADEN MASS, REAR : 0.000  
 PAYLOAD : 0.000  
 PAYLOAD CoG HEIGHT : 0.000 POSITION : 0.000 RANGE : N/A  
 REAR SUSPENSION TYPE : TRI-AXLE  
 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	64.33	0.073	439.0	FERODO	PM17/20	0.380
2	64.33	0.073	439.0	FERODO	PM17/20	0.380
3	64.33	0.073	439.0	FERODO	PM17/20	0.380

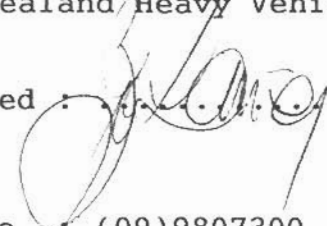
AXLE	BRAKE TYPE	DRUM DIAMETER	CHAMBER SIZE	SLACK LENGTH	SPRING FORCE
1	IMT S-CAM	418.0	140.0	150.0	5.940
2	IMT S-CAM	418.0	140.0	150.0	5.940
3	IMT S-CAM	418.0	140.0	150.0	0.000

TRAILER

VALVE TYPE	MAKE	MODEL/VERSION
RELAY 1	SEALCO	110415
RELAY 2	SEALCO	110410
SPRING BRAKE VALVE	SEALCO	110170
QUICK RELEASE VALVE	-	-
PILOT	-	-
OTHER	WABCO	475/713/000/0 @75%
OTHER	SEALCO	17600B

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 : 15 MAR 00

Signed : 

Certifier's Identification

Name : B.R. LAING

Phone : (09)9807300

Company : TRANSPORT SPECIALTIES LTD

Postal Address : CNR ASH & KERRS RDS  
: WIRI AUCKLAND  
: PO BOX 98-971

Fax : (09)9807306

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 : .....

VEHICLE TYPE : SEMI-TRAILER

REAR SUSPENSION TYPE : TRI-AXLE

LADEN MASS ON THE REAR SUSPENSION OF THE VEHICLE : 20.00 tonnes

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

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

AXLE TYPE	LINING CoF	CHAMBER AREA cm <sup>2</sup>	ADJUSTER LENGTH mm	TYRE RADIUS mm	BRAKE DRUM RADIUS mm
1	0.380	140.0	150.0	439.0	209.0

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

VEHICLE BRAKE FORCE/TONNE AT 500kPa = 4.87kN/tonne

AXLE NO.	AXLE TYPE	EMERGENCY PRESSURE kPa	PARKING FORCE kN
1	1	490.0	5.940
2	1	490.0	5.940
3	1	490.0	0.000

STOPPING DISTANCE FOR EMERGENCY PRESSURE = 5.42 m

STOPPING DISTANCE FOR SPRING BRAKES = 9.48 m

THE PARKING BRAKES WILL HOLD THE VEHICLE ON A 1 IN 2.49 SLOPE

0003052 DOMETT CHASSIS 168

