

STATEMENT OF COMPLIANCE WITH THE NEW ZEALAND HEAVY VEHICLE BRAKE CODE

VEHICLE TYPE : SEMI-TRAILER
 MAKE : DOMETT MODEL : C2003
 SERIAL NUMBER : 149 GVM (on road) : 25000
 GVM (off road) : N/A GCM : N/A
 UNLADEN CoG HEIGHT : 0.000 WHEELBASE : 0.000
 UNLADEN MASS, FRONT : 18.00 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 | 0.066 | 400.0 | JURID | 539 | 0.410 |
| 2 | 64.33 | 0.066 | 400.0 | JURID | 539 | 0.410 |
| 3 | 64.33 | 0.066 | 400.0 | JURID | 539 | 0.410 |

| AXLE | BRAKE TYPE | DRUM DIAMETER | CHAMBER SIZE | SLACK LENGTH | SPRING FORCE |
|------|------------|---------------|--------------|--------------|--------------|
| 1 | BPW DISK | 754.0 | 118.0 | 76.00 | 5.940 |
| 2 | BPW DISK | 754.0 | 118.0 | 76.00 | 5.940 |
| 3 | BPW DISK | 754.0 | 118.0 | 76.00 | 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 | SEALCO | 110360 |
| OTHER | WABCO | 475/713/000/0 @85% |
| OTHER | SEALCO | 17600B/7700 |

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 : 4 OCT 99

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 S.A.M.C

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 :

9910818 DOMETT CHASSIS 149

VEHICLE TYPE : SEMI-TRAILER

REAR SUSPENSION TYPE : TRI-AXLE

LADEN MASS ON THE REAR SUSPENSION OF THE VEHICLE : 18.00 tonnes

| AXLE TYPE | NO. OF VALVES | RATIO VALVE | INSHOT PRESSURE | RATIO OUT/IN | COUPLING PRESSURE 100Nm DRUM TORQUE |
|-----------|---------------|-------------|-----------------|--------------|-------------------------------------|
| 1 | 2 | 1 | 70.00 | 0.850 | 64.33 |

| AXLE TYPE | VALVE NO. | CRACKING PRESSURE | PRESSURE IN kPa | PRESSURE OUT kPa |
|-----------|-----------|-------------------|-----------------|------------------|
| 1 | 1 | 0.000 | 650.0 | 563.0 |
| 1 | 2 | 31.00 | 650.0 | 650.0 |

| AXLE TYPE | LINING CoF | CHAMBER AREA cm ² | ADJUSTER LENGTH mm | TYRE RADIUS mm | BRAKE DRUM RADIUS mm |
|-----------|------------|------------------------------|--------------------|----------------|----------------------|
| 1 | 0.410 | 118.0 | 76.00 | 400.0 | 377.0 |

| AXLE TYPE | CHAMBER (1) PRESSURE kPa | DRUM (1) TORQUE kNm | CHAMBER (2) PRESSURE kPa | DRUM (2) TORQUE kNm |
|-----------|--------------------------|---------------------|--------------------------|---------------------|
| 1 | 35.00 | 0.100 | 650.0 | 9.300 |

VEHICLE BRAKE FORCE/TONNE AT 500kPa = 4.94kN/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 = 6.03 m

STOPPING DISTANCE FOR SPRING BRAKES = 8.79 m

THE PARKING BRAKES WILL HOLD THE VEHICLE ON A 1 IN 2.27 SLOPE

9910818 DOMETT CHASSIS 149

