

Heavy vehicle specialist inspector's or manufacturing inspecting organisation's name (PRINT IN CAPS) **CHRIS CLARKE** ID **CJC**

Vehicle registration (optional) _____ VIN/chassis number **7A9D15014K1023820**

Make **DOMETT** Component being certified: Chassis Load anchorage
 Model (optional) _____ Log bolsters Towing connection Brakes
 Certification category **HVEK** SRT PSV stability PSV rollover
 Swept path PBS

Description of work
CERTIFY TO SCHEDULE 5 OF LTR 32015/4
NEW ZEALAND HEAVY VEHICLE BRAKE SPECIFICATION.
RSS ON: TWIN / SINGLE TYRE. TYRE SIZE = 265/70 R19.5

Code/standard/rule certified to **LTR 32015/4** Component load rating(s) **28 Tonnes GVM**
 General drawing number(s) **N/A** **30 Tonnes (Group ratings)**

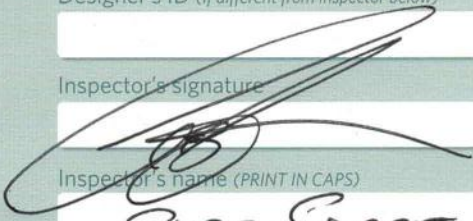
Supporting documents
BRAKE CERTIFICATE JH190408
BRAKE CALCULATION # TP51894

Special conditions (optional) **7A9D50023K1023825**
WARNING LAMP MUST ILLUMINATE WHEN IGNITION IS SWITCHED ON & THEN EXTINGUISH IMMEDIATELY OR WHEN VEHICLE SPEED EXCEEDS 7 KM/H

Certification expiry date (if applicable) **N/A [UNLESS MODIFIED]** or Hubodometer reading (whichever comes first) _____

Declaration

I the undersigned, declare that I am the heavy vehicle specialist inspector identified and I hold a current valid appointment. I certify that the above mentioned vehicle component's design, manufacture and installation, and this certification complies in all respects with the Land Transport Rule: Vehicle Standards Compliance 2002 and my appointment. To the best of my knowledge the information contained in the certificate is true and correct.

Designer's ID (if different from inspector below) _____
 Inspector's signature 
 Inspector's name (PRINT IN CAPS) **CHRIS CLARKE** ID number **CJC**
 Date **10-Apr-19** Number **700020**

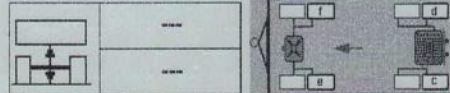
CoF vehicle inspector ID (if applicable) _____ CoF vehicle inspector signature (if applicable) _____ Date _____

All fields are mandatory unless otherwise stated.

WABCO**TRAILER EBS-E**GGVS/ADR TUEH TB 2007 - 019.0X
TDB0855

| | | | |
|--|--|--|--|
| HERSTELLER MANUFACTURER CONSTRUCTEUR | DOMETT TRAILERS | | |
| TYP TYPE TYPE | 4AFT FLATDECK | | |
| VEHICLE IDENT. NUMBER CHASSIS NUMBER NUMERO DE CHASSIS | 7A9D15014K1023820 | | |
| BREMSBERECHNUNGS-NR. BRAKE CALCULATION NO. CALCUL DE FREINAGE NO. | TP51894A | | |
| POLRADZÄHNEZAHL c-d e-f POLE WHEEL TEETH c-d e-f DENTS ROUE DENTÉE c-d e-f | 80 | 80 | ABS-System ABS-System Système ABS 4S/3M |
| RSS RSS RSS | Einfachbereifung Single Tire Monte simple | Lenkachse Steering axle Essieu vireur | |
| | Zwillingsbereifung Twin Tire Monte jumelée | Kippkritisches Fahrzeug Critical Trailer Véhicule critique | |
| Subsystems | SB | I/O | 24N |

| GIO | Pin1 | Pin3 | Pin4 |
|-----|--------|------|------|
| 1 | 24V-01 | --- | --- |
| 2 | --- | --- | --- |
| 3 | ALS2 | ALS2 | --- |
| 4 | --- | --- | --- |
| 5 | DIAG | DIAG | DIAG |
| 6 | --- | --- | --- |
| 7 | --- | --- | --- |



| ACHSE AXLE ESSIEU | pm (bar) | | 6.5 | pm (bar) | | 0.8 | 2.0 | --- | 6.5 | pz | TYP TYPE | (mm) | (mm) | (bar) | |
|-------------------------|----------|-------|-------|----------|-------|-------|-------|-----|-----|----|-------------|------|------|-------|------|
| | H (kg) | (bar) | (bar) | H (kg) | (bar) | (bar) | (bar) | 1.0 | Pz | | | | | | |
| | TR (daN) | | | | | | | | | | | | | | |
| 1 | 1350 | 0.5 | 1.4 | 7500 | 4.4 | 0.3 | 1.2 | --- | 5.6 | - | 24 | 67 | 152 | 620 | 4384 |
| 2 | 1350 | 0.5 | 1.4 | 7500 | 4.4 | 0.3 | 1.2 | --- | 5.6 | - | 24 | 67 | 152 | 620 | 4384 |
| 3 | 1200 | 0.4 | 1.1 | 7500 | 4.4 | 0.3 | 1.4 | --- | 4.6 | - | 24 / 30 | 64 | 127 | 583 | 2977 |
| 4 | 1200 | 0.4 | 1.1 | 7500 | 4.4 | 0.3 | 1.4 | --- | 4.6 | - | 24 / 30 | 64 | 127 | 583 | 2977 |
| 5 | 0 | --- | --- | 0 | --- | --- | --- | --- | --- | - | --- | --- | --- | --- | --- |

GOUGH *Transpecs*

P.O.Box 98-971

JOHN HIRST

DATE:

CERTIFICATE #:

VIN / CHASSIS #:

BRAKE CHAMBERS

AXLE 1 & 2

AXLE 3 & 4

JEH

10-Apr-19

JH190408

7 A 9 D 1 5 0 1 4 K 1 0 2 3 8 2 0

Make

TSE_CHAMBERS

TSE_CHAMBERS

South Auckland Mail Centre

SODC ENDORSED BY:

BRAKE SYSTEM:

BRAKE CALCULATION #:

Model

245

2430 TN2

GOUGH **TWL**
TRANSPORT WHOLESALE

CJC

WABCO EBS - E

TP51894

Max stroke (mm)

64

64

LEVER LENGTH FRONT (mm) 152

LEVER LENGTH REAR (mm): 127

THIS VEHICLE COMPLIES WITH THE NZ

HEAVY VEHICLE BRAKE RULE 32015/4, SCHEDULE 5

TYRE SIZE FRONT: 265/70 R19.5

TYRE SIZE REAR: 265/70 R19.5

LINING MATERIAL FRONT: ROR 685 AF

LINING MATERIAL REAR: ROR 685 AF

WABCO START-UP LOG

| | | | |
|---|--|-------------------|---------------|
| System | Trailer EBS-E | WABCO part number | 480 102 084 0 |
| Production date | 2018-11-12 | Serial number | 437006373500L |
| Serial number (modulator) | 000000506816 | | |
| Fingerprint Customer EOL / Customer Development / Flash Program | W503643 / 2019-04-11 ; 00000000 / 0000-00-00 ; 00000000 / 0000-00-00 | | |

WABCO

TRAILER EBS-E

GGVS/ADR TUEH TB 2007 - 019.00
TDB0855

| | | | | | | | |
|---|---|--|---|-----|--------|------|------|
| HERSTELLER MANUFACTURER CONSTRUCTEUR | DOMETT TRAILERS | | | GIO | Pin1 | Pin3 | Pin4 |
| TYP TYPE TYPE | 4AFT FLATDECK | | | 1 | 24V-O1 | --- | --- |
| VEHICLE IDENT. NUMBER CHASSIS NUMBER NUMERO DE CHASSIS | 7A9D15014K1023820 | | | 2 | --- | --- | --- |
| BREMSEBERECHNUNGS-NR. BRAKE CALCULATION NO. CALCUL DE FREINAGE NO. | TP51894A | | | 3 | ALS2 | ALS2 | --- |
| POLRADZÄHNEZAHL c-d) e-f POLE WHEEL TEETH c-d) e-f DENTS ROUE DENTEE c-d) e-f | 80 | 80 | ABS-System ABS-System Système ABS | 4 | --- | --- | --- |
| RSS RSS RSS | Einfachbereifung Single Tire Monte simple | Lenkachse Steering axle Essieu vireur | 4S/3M | 5 | DIAG | DIAG | DIAG |
| Zwillingsbereifung Twin Tire Monte jumelée | X | Kippkritisches Fahrzeug Critical Trailer Véhicule critique | | 6 | --- | --- | --- |
| Subsystems | SB | I/O | 24N | 7 | --- | --- | --- |

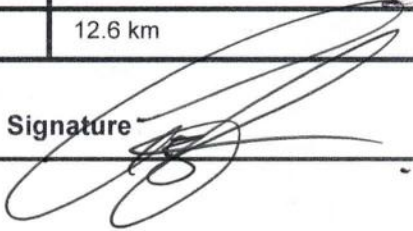
| | | | | | | | | | | | | | | | |
|-------------------------|----------|-----|----------|------|-----|-----|-----|-----|-------------|------|---------|-------|-----|-----|----------|
| ACHSE AXLE ESSIEU | pm (bar) | 6.5 | pm (bar) | 0.8 | 2.0 | --- | 6.5 | pz | TYP TYPE | (mm) | (mm) | (bar) | 1.0 | Pz | TR (daN) |
| 1 | 1350 | 0.5 | 1.4 | 7500 | 4.4 | 0.3 | 1.2 | --- | 5.6 | - | 24 | 67 | 152 | 620 | 4384 |
| 2 | 1350 | 0.5 | 1.4 | 7500 | 4.4 | 0.3 | 1.2 | --- | 5.6 | - | 24 | 67 | 152 | 620 | 4384 |
| 3 | 1200 | 0.4 | 1.1 | 7500 | 4.4 | 0.3 | 1.4 | --- | 4.6 | - | 24 / 30 | 64 | 127 | 583 | 2977 |
| 4 | 1200 | 0.4 | 1.1 | 7500 | 4.4 | 0.3 | 1.4 | --- | 4.6 | - | 24 / 30 | 64 | 127 | 583 | 2977 |
| 5 | 0 | --- | --- | 0 | --- | --- | --- | --- | --- | - | --- | --- | --- | --- | --- |

TEBS-E

| | | | |
|-----------------------|-------------|--------------------------------|------------|
| Diagnostic memory | OK | Warning lamp control | OK |
| Parameter setting | carried out | Stop light supply | OK |
| EBS pressure test | OK | Lifting axle test | Not tested |
| Redundancy test | OK | ECAS height sensor calibration | Not tested |
| ABS sensor assignment | OK | Height sensor axle load | Not tested |
| RTR test | Not tested | Leak test | Not tested |
| Immobilizer test | Not tested | Signal outputs | Not tested |
| Signal inputs | Not tested | Tag axle test | Not tested |

Electronic Extension Module

| | | | |
|-------------------|------------|----------------|------------|
| Diagnostic memory | Not tested | Signal outputs | Not tested |
| TailGUARDlight | Not tested | TailGUARD | Not tested |

| | | | |
|--------------|-------------------------|---|-------------------|
| Manufacturer | DOMETT TRAILERS | Vehicle ident. no | 7A9D15014K1023820 |
| Vehicle type | 4AFT FLATDECK | Odometer reading | 12.6 km |
| next Service | 0 km | Trip reading | 12.6 km |
| Tester | Chris Clarke | Signature  | |
| Date | 2019-04-11 8:08:02 a.m. | | |

trailer (full, semi-, centre-axle) with air brake system acc. to UN/ECE-R.13.11

distribution: DOMETT TRAILERS
 7A9D15014K1023820
 SODC: JH190408
 LT400: CJC 700020

please note!

This brake calculation is made under consideration of
 -the legal precriptions mentioned above in the version valid at the time of making the program (V6.14.04.20).
 -the functional characteristics of our products as well as the data of the brake out of the test approvals of the axle manufacturers, and
 -the other vehicle data included in the brake calculation.
 Please check whether these data correspond to the actual vehicle data.
 Our conditions of delivery apply (particularly section 9.0).
 In any case we commend to do a braking harmonisation!
 WABCOBrake V6.14.04.20 db 03.11.2017

vehicle manufacturer: DOMETT TRAILERS
 trailer model : 4AFT FLATDECK
 trailer type : 4-axle-full-trailer
 remarks : air / hydraulic / VA suspension
 WABCO TRAILER - EBS E
 TRISTOP 3+4: 24/30
 265/70 R 19,5
 THE BRAKE CHAMBERS ARE ACTUALLY TSE

axle 1 + 2 + 3 + 4 : Assali Stefen, B (350x200), TDB 0855 ECE,

| | | <u>unladen</u> | <u>laden</u> |
|--------------------------|----------|----------------|--------------|
| total mass | P in kg | 5100 | 30000 |
| axle 1 | P1 in kg | 1350 | 7500 |
| axle 2 | P2 in kg | 1350 | 7500 |
| axle 3 | P3 in kg | 1200 | 7500 |
| axle 4 | P4 in kg | 1200 | 7500 |
| wheel base | E in mm | 6300 - 6400 | |
| centre of gravity height | h in mm | 750 | 2105 |

| | <u>axle 1</u> | <u>axle 2</u> | <u>axle 3</u> | <u>axle 4</u> |
|---|---------------|---------------|---------------|---------------|
| no. of combined axles | 1 | 1 | 1 | 1 |
| no. of brake chambers per axle line K D Z | 2 | 2 | 2 | 2 |
| The power output corresponds to | BC 0069.2BC | 0069.2BC | 0051.0BC | 0051.0 |
| brake chamber manufacturer | BPW | BPW | WABCO | WABCO |
| chamber size | 24. | 24. | 24/30 | 24/30 |
| lever length lBh in mm | 152 | 152 | 127 | 127 |
| brake factor [-] | 9.10 | 9.10 | 9.10 | 9.10 |
| dyn. rolling radius rdyn min in mm | 421 | 421 | 421 | 421 |
| dyn. rolling radius rdyn max in mm | 421 | 421 | 421 | 421 |
| threshold torque Co Nm | 8.0 | 8.0 | 8.0 | 8.0 |

calculation:

| | | | | |
|--|-------|-------|-------|-------|
| chamber pressure(rdyn min)pH at z=22,5%bar | 2.0 | 2.0 | 2.0 | 2.0 |
| chamber pressure(rdyn max)pH at z=22,5%bar | 2.0 | 2.0 | 2.0 | 2.0 |
| chamber press.(servo)pcha at pm6,5bar bar | 5.6 | 5.6 | 4.6 | 4.6 |
| piston force ThA at pm6,5bar N | 8027 | 8027 | 6502 | 6502 |
| brake force(rdyn min)T lad. at pm6,5bar N | 53138 | 53138 | 36086 | 36086 |
| brake force(rdyn max)T lad. at pm6,5bar N | 53138 | 53138 | 36086 | 36086 |
| brake force within 1 % rolling friction proportion % | 27.4 | 27.4 | 22.6 | 22.6 |

braking rate z laden 0.606 for rdyn min
 z = sum (TR)/PRmax 0.606 for rdyn max

Trailer may only be operated in combination with trucks/tractors with ISO 7638 supply (5 or 7 polar).

brake diagram :

maximum pressure: 8.5 bar

axle 1:

valve 1: 480 207 0.. 0 WABCO or 480 207 2.. 0
 EBS relay valve

brake cylinder: BPW 05.444.15...

axle 2:

valve 1: 480 207 0.. 0 WABCO or 480 207 2.. 0
 EBS relay valve

brake cylinder: BPW 05.444.15...

axle 3:

valve 1: 480 102 ... 0 WABCO
 EBS trailer modulator

brake cylinder: WABCO 925 376 005 0 / 925 376 2.. 0

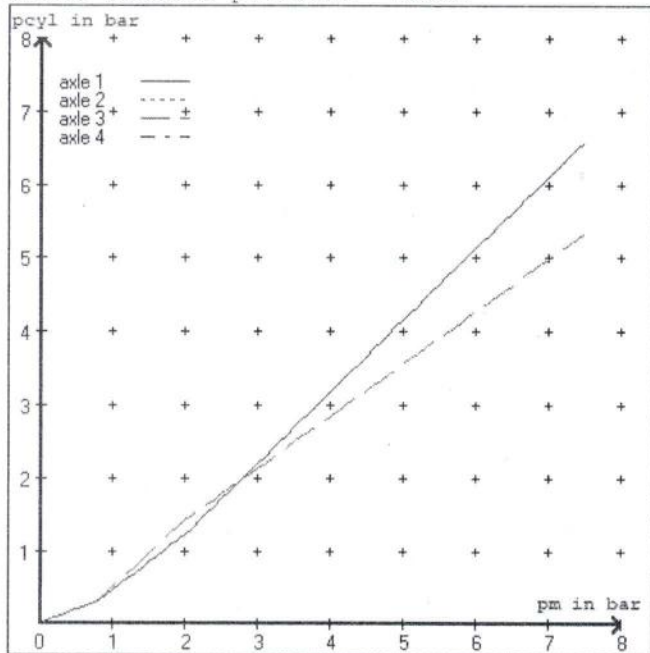
axle 4:

valve 1: 480 102 ... 0 WABCO
 EBS trailer modulator

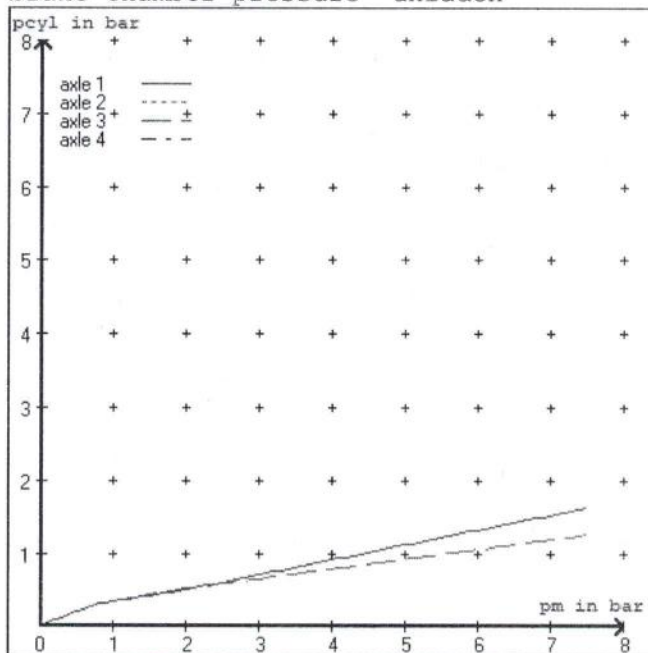
brake cylinder: WABCO 925 376 005 0 / 925 376 2.. 0

| | | | | | |
|-----------------------------|----------------|-------|-------|-------|-------|
| test type III (zIII = 0.30) | for rdyn min : | axle1 | axle2 | axle3 | axle4 |
| at pm 3.6 bar => | pcha in bar : | 2.7 | 2.7 | 2.5 | 2.5 |
| test type III (zIII = 0.06) | for rdyn min : | axle1 | axle2 | axle3 | axle4 |
| at pm 1.3 bar => | pcha in bar : | 0.7 | 0.7 | 0.7 | 0.7 |

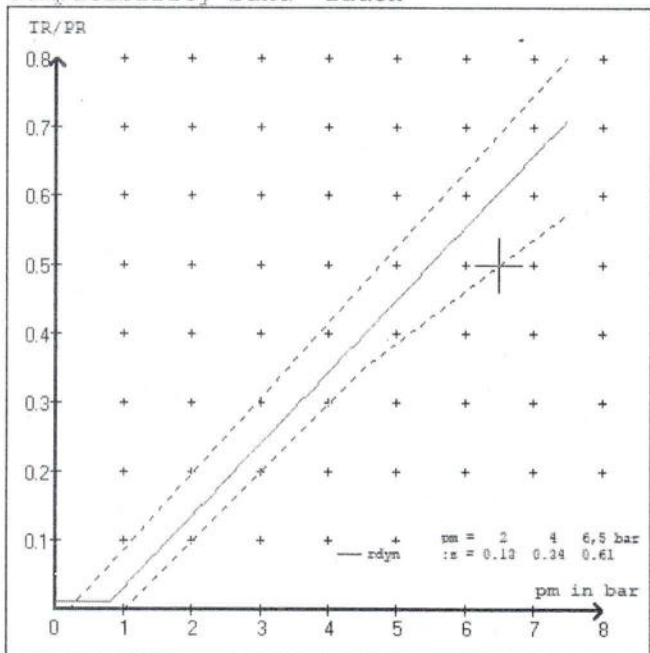
brake chamber pressure laden



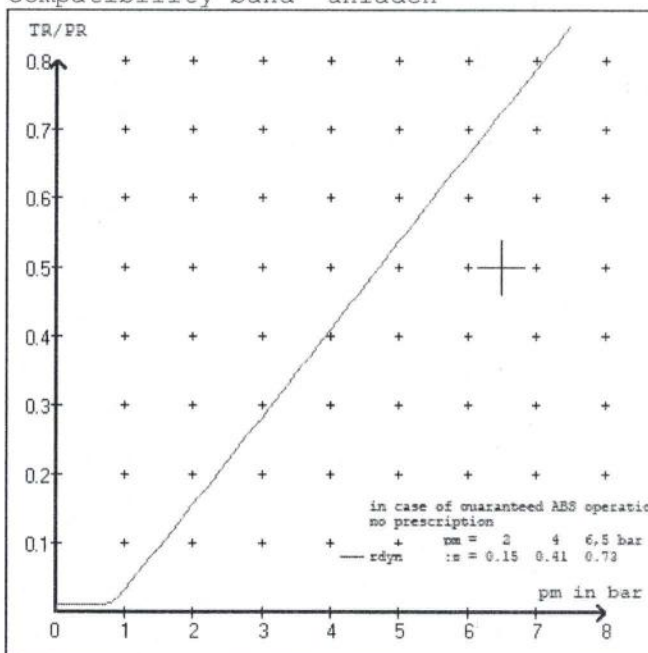
brake chamber pressure unladen



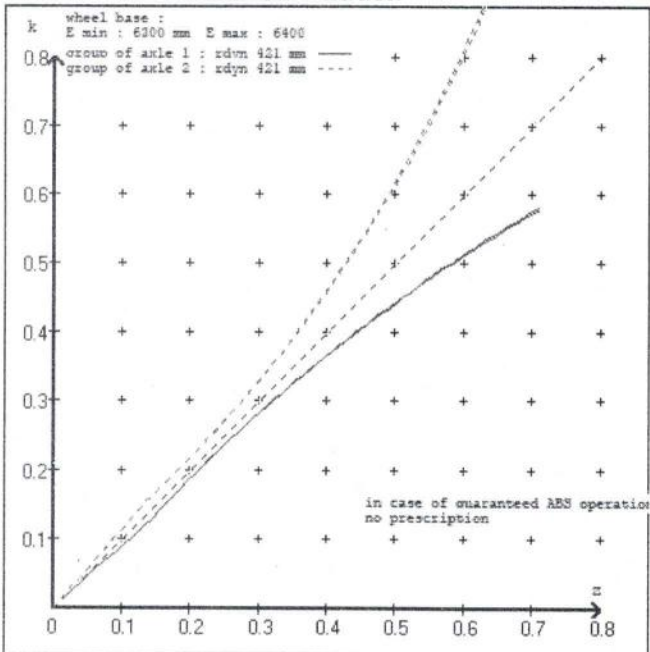
compatibility band laden



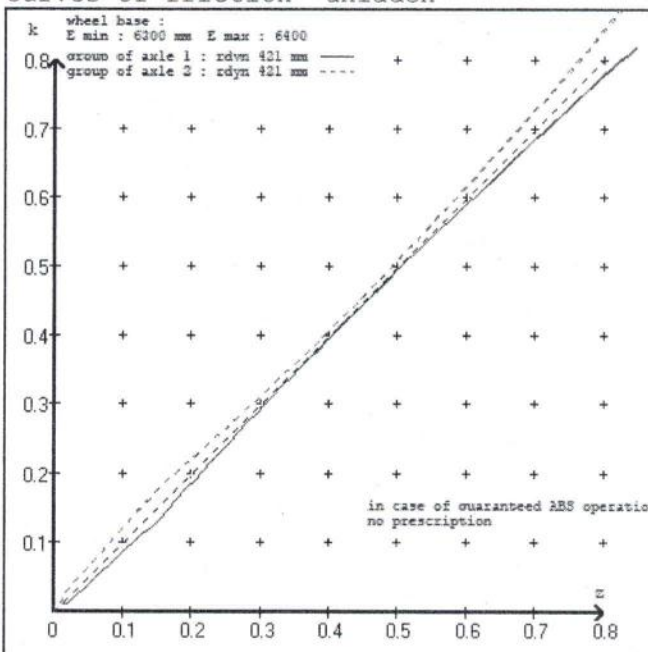
compatibility band unladen



curves of friction laden



curves of friction unladen



vehicle manufacturer: DOMETT TRAILERS
 trailer model : 4AFT FLATDECK
 trailer type : 4-axle-full-trailer

brake chamber and lever length :

axle 1 : 2 x type/diameter 24. (BPW) lever length 152 mm
 axle 2 : 2 x type/diameter 24. (BPW) lever length 152 mm
 axle 3 : 2 x type/diameter 24/30 (WABCO) lever length 127 mm
 axle 4 : 2 x type/diameter 24/30 (WABCO) lever length 127 mm

brake diagram :

valve :

480 207 0.. 0 WABCO EBS relay valve or 480 207 2.. 0
 480 102 ... 0 WABCO EBS trailer modulator

EBS input data

=====

vehicle manufacturer: DOMETT TRAILERS
 trailer model : 4AFT FLATDECK
 trailer type : 4-axle-full-trailer
 brake calculation no. : TP 51894A

tire circumference main axle : 2650 for rdyn max
 tire circumference auxiliary axle : 2650 for rdyn max

assignment pm / deceleration z: pm 0.8 bar z = 0.010
 (laden condition) 2.0 bar z = 0.134
 6.5 bar z = 0.600

| control pressure pm | | 6,5 | control pressure pm | | 0.8 | 2.0 | 6.5 | |
|---------------------|-------------------|--|---------------------|-----------------|--|-----------------|-----|-----|
| axle | axle load unladen | bellow pr. unladen | brake pr. unladen | axle load laden | bellow pr. laden | brake pr. laden | | |
| 1 | 1350 | to be | 1.4 | 7500 | to be | 0.3 | 1.2 | 5.6 |
| 2 | 1350 | entered by the vehicle manufact. | 1.4 | 7500 | entered by the vehicle manufact. | 0.3 | 1.2 | 5.6 |
| 3 | 1200 | | 1.1 | 7500 | | 0.3 | 1.4 | 4.6 |
| 4 | 1200 | | 1.1 | 7500 | | 0.3 | 1.4 | 4.6 |
| 5 | 0 | | 0,0 | 0 | | 0,0 | 0,0 | 0,0 |

The unladen values indicated in the above table are values for the basic parameter set. Higher unladen axle loads and liftaxles are automatically recognized and do not require separate adjustment. The above unladen axle loads must not be fallen below.

=====

| axle 1 | axle 2 | axle 3 | axle 4 |
|----------------|----------------|----------------|----------------|
| axle load pcy1 | axle load pcy1 | axle load pcy1 | axle load pcy1 |
| 1350 1.4 | 1350 1.4 | 1200 1.1 | 1200 1.1 |
| 1850 1.7 | 1850 1.7 | 1700 1.4 | 1700 1.4 |
| 2350 2.1 | 2350 2.1 | 2200 1.7 | 2200 1.7 |
| 2850 2.4 | 2850 2.4 | 2700 1.9 | 2700 1.9 |
| 3350 2.8 | 3350 2.8 | 3200 2.2 | 3200 2.2 |
| 3850 3.1 | 3850 3.1 | 3700 2.5 | 3700 2.5 |
| 4350 3.4 | 4350 3.4 | 4200 2.8 | 4200 2.8 |
| 4850 3.8 | 4850 3.8 | 4700 3.0 | 4700 3.0 |
| 7500 5.6 | 7500 5.6 | 7500 4.6 | 7500 4.6 |

data sheet to ECE vehicle type-approval certificate concerning braking equipment: according to ECE R13 annex 11

| | | |
|--------|---|--------------------------|
| axle 1 | : reference axle: Assali SteftM / LM / LCen | brake lining: ROR 685 AF |
| | test report : TDB 0855 ECE | date : 20110721 |
| axle 2 | : reference axle: Assali SteftM / LM / LCen | brake lining: ROR 685 AF |
| | test report : TDB 0855 ECE | date : 20110721 |
| axle 3 | : reference axle: Assali SteftM / LM / LCen | brake lining: ROR 685 AF |
| | test report : TDB 0855 ECE | date : 20110721 |
| axle 4 | : reference axle: Assali SteftM / LM / LCen | brake lining: ROR 685 AF |
| | test report : TDB 0855 ECE | date : 20110721 |

calc. verif. of residual (hot) braking force type III
(item 4.2.1 of appendix 2 to annex 11)

| | | |
|--------|---------------|---------------|
| axle 1 | (rdyn 421 mm) | T = 24.1 % Fe |
| axle 2 | (rdyn 421 mm) | T = 24.1 % Fe |
| axle 3 | (rdyn 421 mm) | T = 18.8 % Fe |
| axle 4 | (rdyn 421 mm) | T = 18.8 % Fe |

calculated actuator stroke in mm
(item 4.3.1.1 of appendix 2 to annex 11)

| | | |
|--------|--------------|-----------|
| axle 1 | (sp = 73 mm) | s = 65 mm |
| axle 2 | (sp = 73 mm) | s = 65 mm |
| axle 3 | (sp = 63 mm) | s = 54 mm |
| axle 4 | (sp = 63 mm) | s = 54 mm |

average thrust output in N at pm = 6,5 bar (however max. pcha = 7,0 bar)

| | |
|-------|--------------|
| axle1 | ThA = 8027 N |
| axle2 | ThA = 8027 N |
| axle3 | ThA = 6502 N |
| axle4 | ThA = 6502 N |

calc. residual (hot) braking force in N
(item 4.3.1.4 of appendix 2 to annex 11)

| | | |
|--------|---------------|-------------|
| axle 1 | (rdyn 421 mm) | T = 43209 N |
| axle 2 | (rdyn 421 mm) | T = 43209 N |
| axle 3 | (rdyn 421 mm) | T = 29313 N |
| axle 4 | (rdyn 421 mm) | T = 29313 N |

| | |
|-------------|--------------|
| basic test | type III |
| of subject | (calculated) |
| trailer (E) | residual |
| | (hot)braking |

braking rate of the vehicle
(item 4.3.2 to appendix 2 to annex 11)

0.61 0.49

required braking rate
(items 1.5.3 and 1.7.2 to annex 11)

>= 0,4 and
>= 0,6*E (0.36)

| | | |
|--------|---------------|-------------|
| axle 1 | (rdyn 421 mm) | T = 43209 N |
| axle 2 | (rdyn 421 mm) | T = 43209 N |
| axle 3 | (rdyn 421 mm) | T = 29313 N |
| axle 4 | (rdyn 421 mm) | T = 29313 N |

| | |
|-------------|--------------|
| basic test | type III |
| of subject | (calculated) |
| trailer (E) | residual |
| | (hot)braking |

braking rate of the vehicle
(item 4.3.2 to appendix 2 to annex 11)

0.61 0.49

required braking rate
(items 1.5.3 and 1.7.2 to annex 11)

>= 0,4 and
>= 0,6*E (0.36)

spring parking brake

| | <u>axle 3</u> | <u>axle 4</u> |
|--|--------------------|--------------------|
| no of TRISTOP-actuators per axle line KDZ | 2 | 2 |
| TRISTOP-actuator type | 24/30 | 24/30 |
| lever length lBh in mm | 127 | 127 |
| stat. tyre radius rstat max in mm | 401 | 401 |
| at a stroke of s in mm | 30 | 30 |
| min. force of spring brake TFZ in N | 6360 | 6360 |
| sp.brake chamber no 925 | 376 005 0376 005 0 | 376 005 0376 005 0 |
| sp.brake chamber no 925 | 376 2.. 0376 2.. 0 | 376 2.. 0376 2.. 0 |
| release pressure pLs in bar | 4.9 | 4.9 |

calculation:

| | | |
|--|--------|--------|
| ratio until road | 2.8820 | 2.8820 |
| $iFb = lBh * \eta * C * rBt / (2 * rBn * rstat)$ for rstat in mm | 401 | 401 |
| brake force of spring br. Tf in N | 36297 | 36297 |
| $Tf = (TFZ * KDZ - 2 * Co / lBh) * iFb$ | | |
| braking rate zf laden | 0.257 | |
| $zf = \sum (Tf) / P + 0,01$ | | |

Test of the frictional connection required by the parking brake

minimum wheelbase/minimum supporting width min Ef necessary
to fulfil the regulations

$$\min Ef = E * (1 - PR/P + zferf * h/E) / (1 - zferf / (fzul * nf/ng))$$

$$\min Ef = 4553 \text{ mm} \quad \text{for } E = 6300 \text{ mm}$$

$$\min Ef = 4618 \text{ mm} \quad \text{for } E = 6400 \text{ mm}$$

min Ef = minimum distance between front axle(s) (trailer) or support (semitraile:
and the rear axle(s) (resultant of the bogie)
E = wheel base
fzul = 0.80 maximum permissible frictional connection required
zferf = 0.18 maximum required braking ratio of the parking brake
h = 2105 mm height of center of gravity - laden
PR = 15000 kg maximum bogie mass - laden
P = 30000 kg maximum total mass - laden
nf = 2 no. of axle(s) with TRISTOP spring brake actuators
ng = 2 no. of bogie axle(s)

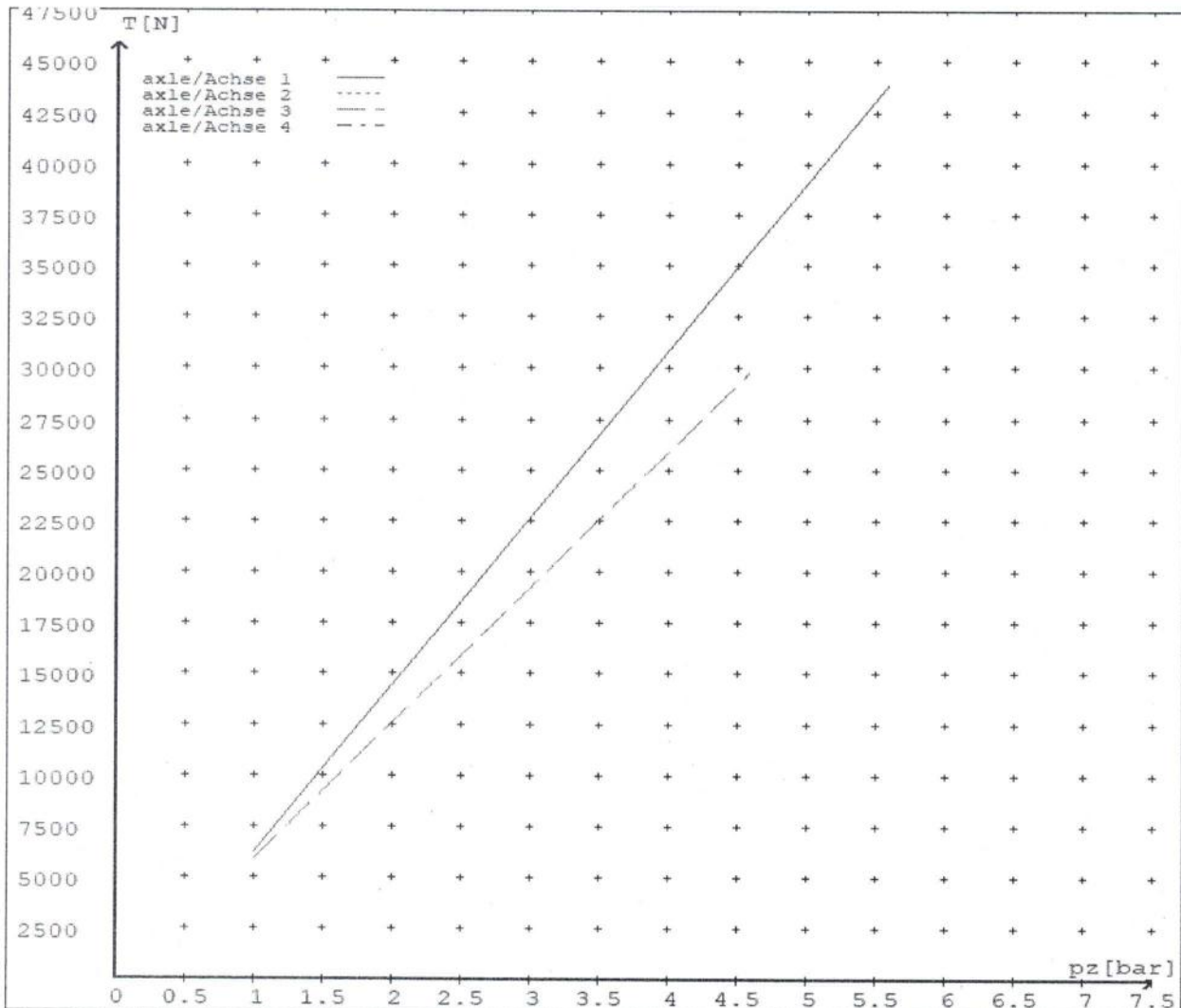
reference values

reference values for z = 50% for max rdyn: 421 mm

| | pz [bar] | T [N] | T [N] |
|--------|----------|-------|-------|
| axle 1 | 1.0 | 6210 | |
| | 5.6 | 43843 | |
| axle 2 | 1.0 | 6210 | |
| | 5.6 | 43843 | |
| axle 3 | 1.0 | | 5835 |
| | 4.6 | | 29774 |
| axle 4 | 1.0 | | 5835 |
| | 4.6 | | 29774 |

VIN - no.:

| | Axle(s) / Achse(n) | | | | |
|---|--------------------|------|-------|-------|---|
| brake cylinder type (service / parking) Bremszylinder Typ (Betrieb / Fest) | 24./ | 24./ | 24/30 | 24/30 | / |
| Maximum stroke smax = ...mm maximaler Hub smax =mm | 75 | 75 | 64 | 64 | |
| Lever length =mm Hebellänge =mm | 152 | 152 | 127 | 127 | |



NOTICE TO VEHICLE OPERATOR

THIS VEHICLE HAS A BRAKE SYSTEM WHICH HAS BEEN DESIGNED AND FITTED IN ACCORDANCE WITH THE LAND TRANSPORT HEAVY VEHICLE BRAKE RULE 32015/4.

IF THIS VEHICLE IS OPERATED IN CONJUNCTION WITH NON-CERTIFIED VEHICLES, THERE MAY BE OPERATIONAL FACTORS WHICH NEED TO BE TAKEN INTO CONSIDERATION.

PLEASE REFER TO THE CERTIFIER FOR FURTHER INFORMATION.

EXCERPT FROM LAND TRANSPORT RULE; HEAVY-VEHICLE BRAKES RULE 32015/4. SECTION 10,

10.1 RESPONSIBILITIES OF OPERATORS

A person who operates a vehicle must ensure that the vehicle complies with this rule.

10.2 RESPONSIBILITIES OF REPAIRERS

A person who repairs or adjusts a brake must ensure that the repair or adjustment:

- a) does not prevent the vehicle from complying with this rule;
- b) complies with Land Transport Rule: Vehicle Repair 1998.

10.3 RESPONSIBILITIES OF MODIFIERS

A person who modifies a vehicle so as to affect the braking performance of the vehicle must:

- a) ensure that the modification does not prevent the vehicle from complying with this Rule; and
- b) notify the operator that the vehicle must be inspected and, if necessary, certified by person or organisation appointed to carry out specialist inspection and certification of heavy vehicle brakes.

IF YOU ARE UNSURE ABOUT YOUR RESPONSIBILITIES, PLEASE CONTACT THE VEHICLE MANUFACTURER, OR MYSELF.

COMPLAINTS. Complaints and Warranty issues which relate to Brake Certification will be acknowledged within 7 working days and a resolution proposed within 25 working days. Resolution of complaints and Warranty issues is subject to Transpecs Warranty policy. Customers have the right to appeal to the New Zealand Transport Authority if dissatisfied with a Compliance issue. (Refer NZTA Deed Of Appointment Para 47.4) NZTA Helpdesk 0800 699 000

(P.P.).....
(J.Hirst (J.H) HVEK)

NOTICE TO VEHICLE OPERATOR

This trailer is equipped with an **Electronic Brake System.**

To comply with the New Zealand Heavy Vehicle Brake Rule 32015/4, it must be used only in conjunction with a truck/tractor equipped with a 5 or 7 pin ABS/EBS power supply socket.

Failure to connect to such supply invalidates Brake Rule compliance.

The trailer ABS/EBS warning light on the towing vehicle dashboard must illuminate when the ignition is switched on and extinguish when the vehicle is in motion.

If the light does not illuminate when ignition is switched on, the system must be checked. If the light remains illuminated when the vehicle is in motion, Brake Rule compliance is compromised. Repairs must be made as soon as possible.

If you are unsure of your responsibilities and/or obligations, please contact either the vehicle manufacturer or myself.


(p.p.)
J E Hirst
(JEH HVEK)
(09 980 7300)

**NEW ZEALAND HEAVY VEHICLE BRAKE RULE 32015-4
WORKSHEET, PROCEDURE DOCUMENTATION SHEET
& CONFIRMATION OF COMPLIANCE**

CLIENT

| | |
|----------------------|------------------------|
| MANUFACTURER: | DOMETT TRAILERS |
| ADDRESS: | TAURIKO, TAURANGA 3110 |
| FLEET: | NOT SPECIFIED |

VEHICLE DETAILS

| | | | |
|----------------------------------|--------------------|-----------------------|--------------------|
| VEHICLE TYPE: | 4AFT FLATDECK | CERT #: | JH190408 |
| YEAR: | 2019 | CALCULATION #: | TP51894 |
| MAKE: | DOMETT | REGO: | N/A |
| MODEL: | D1501 | LT400 #: | |
| CHASSIS #: | 1820 | ORDER NUMBER: | 6122 |
| VIN #: | 7A9D15014K1023820 | | |
| GVM: TONNES | 28 | PRIME MOVER: | EBS / EUROPEAN |
| LOAD CONFIGURATION: | MIXED FREIGHT | | |
| GROUP RATINGS: TONNES | FRONT | REAR | |
| | 15 | 15 | |
| WHEEL BASE: METRES | 6.33 | | |
| | UNLADEN COG | MAX HEIGHT | HEIGHT DECK |
| | 0.75 | 4.3 | 1.145 |
| COG: METRES | 2.105 | | |
| | FRONT | REAR | TOTAL |
| TARE: TONNES | 2.7 | 2.4 | 5.1 |
| | FRONT | REAR | |
| TYRE SIZE: | 265/70 R19.5 | 265/70 R19.5 | |
| ROLLING CIRCUMFERENCE: MM | 2645 | 2645 | |
| AXLE SPACING: METRES | 1.27 | 1.27 | |

BRAKE & AXLE DETAILS

| | MAKE | MODEL | TEST REPORT |
|-------------------|-------------------|-------------------------|-------------|
| AXLE: | ROR_ASSALI_STEFEN | ROR-BMX | TDB 0855 |
| POLE WHEEL FRONT: | 80 | POLE WHEEL REAR: | 80 |
| LINING MATERIAL: | ROR 685 AF | BRAKE FACTOR: | 9.1 |
| SENSED AXLES: | 2 + 4 | | |
| SERIAL NUMBERS: | 1 | N/A | |
| | 2 | N/A | |
| | 3 | N/A | |
| | 4 | N/A | |
| | 5 | N/A | |

CHAMBER AND VALVING DETAILS

| CHAMBERS: | AXLE 1 & 2 | AXLE 3 & 4 | |
|----------------------------------|---|------------------------------------|-----------------------------|
| BRAND: | TSE_CHAMBERS | TSE_CHAMBERS | |
| SIZE: | 245 | 2430 TN2 | |
| STROKE: <i>MILLIMETRES</i> | 64 | 64 | |
| TEST REPORT #: | TSE derived | TSE derived | |
| SPRINGBRAKE FORCE: <i>kN</i> | N/A | 6.72 | |
| HOLDOFF PRESSURE: <i>kPa</i> | N/A | 4.8 | |
| FOUNDATION BRAKE: | DRUM | DRUM | |
| LEVER LENGTH: <i>MILLIMETRES</i> | 152 | 127 | |
| BRAKE VALVES: | MAKE: | PART NUMBER: | PM PRESS. <i>kPa</i> |
| ECU PART #: | WABCO | 480 102 08. 0 (MV) | 80 kPa |
| 3RD MODULATOR #: | WABCO | 480 207 202 0 (12V) | 80 kPa |
| ANTI-COMPOUNDING: | YES | | |
| SPRING BRAKE RELAY: | SEALCO_SBR | 110701 | |
| YARD RELEASE VALVE: | SEALCO_YR | 17600B | |
| INLINE RELAY FITTED: | N/A | N/A | |
| ECU DIRECTION: | <input checked="" type="checkbox"/> FRONT | <input type="checkbox"/> REAR | |
| SMARTBOARD/OPTILINK: | <input type="checkbox"/> SMARTBOARD | <input type="checkbox"/> OPTI-LINK | |

SUSPENSION

| | FRONT | REAR |
|-----------------------------|---------------|---------------|
| SUSPENSION TYPE: | PNEUMATIC | PNEUMATIC |
| MAKE: | ROR_AIRSPRING | ROR_AIRSPRING |
| MODEL: | ROR_INTRA | ROR_INTRA |
| BELLOW SIZE: | CS9I | CS9I |
| HEIGHT CONTROL VALVE: | 464 008 011 0 | 464 008 011 0 |
| OTHER VALVES: | N/A | N/A |
| RIDE HEIGHT <i>MM</i> : | 300 | 350 |
| HANGER HEIGHT <i>MM</i> : | N/A | N/A |
| PEDESTAL HEIGHT <i>MM</i> : | N/A | N/A |
| LIFTAXLE: | N/A | N/A |
| TIPPING DUMP SWITCH: | N/A | N/A |
| LIFTAXLE VALVE: | N/A | N/A |

AIR TANKS

| AIR TANKS STANDARD: | SAE J10A / EN286-2 | |
|-------------------------------|-------------------------|------|
| | FRONT | REAR |
| BRAKE TANK SIZE: <i>L</i> | 46 | 46 |
| AUXILLARY TANK SIZE: <i>L</i> | N/A | 46 |
| PRESSURE PROTECTION: | WABCO PEM 461 513 002 0 | |

AIR LINES

TEST POINTS:

| | | | |
|------------------------|-----|----------------|-----|
| CONTROL LINE: | X 1 | TANK: | X 1 |
| REAR CHAMBER: | X 2 | FRONT CHAMBER: | X 1 |
| DUOMATIC COLOUR CODED: | YES | | |

ELECTRONIC HEIGHT SENSOR CALIBRATION

| | TIMER TICKS | MILLIMETRE |
|---------------|-------------|------------|
| UPPER LEVEL: | N/A | N/A |
| NORMAL LEVEL: | N/A | N/A |
| LOWER LEVEL: | N/A | N/A |

CHECKS AT COMMISSION OF VEHICLE

CHAMBER BUNGS REMOVED: VALVE MOUNTING:

ECU BLANKING PLUGS CHECKED:

RESPONSE TIME: MODULATOR 2.1 MODULATOR 2.2 RELAY VALVE


ms:

NOTES AND SPECIAL CONDITIONS

I UNDERSTAND AND DECLARE THAT I AM THE CERTIFIER IDENTIFIED BELOW AND HOLD A CURRENT VALID APPOINTMENT. I CERTIFY THAT AT THE TIME OF INSPECTION THE ABOVE MENTIONED VEHICLE COMPONENT DESIGN AND THIS CERTIFICATION COMPLIES IN ALL RESPECTS WITH THE LAND TRANSPORT RULE VEHICLE STANDARDS COMPLIANCE 2002 AND MY DEED OF APPOINTMENT. TO THE BEST OF MY KNOWLEDGE THE INFORMATION CONTAINED IN THIS CERTIFICATE IS TRUE AND CORRECT.

NEW ZEALAND HEAVY VEHICLE BRAKE RULE 32015 /4, SCHEDULE 5.

DATE: 10/04/2019

SIGNED: 

CERTIFIER NAME & ID: JOHN HIRST JEH

SODC BY: CHRIS CLARKE CJC

PHONE (BUS): 09-980-7300

FAX:

POSTAL ADDRESS: P.O. Box 98-971, Manukau 2241
New Zealand