

Heavy vehicle specialist inspector's or manufacturing inspecting organisation's name (PRINT IN CAPS)

CHRIS CLARKE

ID

CJC

Vehicle registration (optional)

VIN/chassis number

7A9E20018K1023887

Make

DOMETT

Model (optional)

E2001 PH

Certification category.

HVEK

Component being certified:

- Log bolsters
 SRT
 Swept path

 Chassis

- Towing connection
 PSV stability
 PBS

 Load anchorage

 Brakes

 PSV rollover

Description of work

CERTIFY TO SCHEDULE 5 OF LTR 32015/5
NEW ZEALAND HEAVY VEHICLE BRAKE SPECIFICATION.
5AFT CURTAININSIDE
RSS ON TYRE: 265 70 R19.5

Code/standard/rule certified to

LTR 32015/5

Component load rating(s)

32 Tonnes GVM

General drawing number(s)

N/A
35 Tonnes (Group ratings)

Supporting documents

BRAKE RULE CERTIFICATE JH190921
BRAKE CALCULATION # TP51976

Special conditions (optional)

**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)

| | | | | | |
|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| <input type="checkbox"/> |
|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|

Designer's ID (if different from inspector below)

| | | | |
|--------------------------|--------------------------|--------------------------|--------------------------|
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|--------------------------|--------------------------|--------------------------|--------------------------|

Inspector's signature

Inspector's name (PRINT IN CAPS)

CHRIS CLARKE

ID number

CJC

Date

25-Sep-19

Number

718734

CoF vehicle inspector ID (if applicable)

CoF vehicle inspector signature (if applicable)

Date

WABCO**START-UP LOG**

| | | | |
|---|--|-------------------|---------------|
| System | Trailer EBS-E | WABCO part number | 480 102 084 0 |
| Production date | 2019-02-27 | Serial number | 437007228600D |
| Serial number (modulator) | 000000500676 | | |
| Fingerprint Customer EOL / Customer Development / Flash Program | W503643 / 2019-09-25 ; 00000000 / 0000-00-00 ; 00000000 / 0000-00-00 | | |

WABCO**TRAILER EBS-E**

GGVS/ADR TUEH TB 2007 - 019.00

TDB0749

| HERSTELLER MANUFACTUREUR CONSTRUCTEUR | DOMETT TRAILERS | | | GIO | Pin1 | Pin3 | Pin4 | | | | | | | | | | | |
|--|---|---|--|----------|--------|----------|------|-----|-----|-----|---------|-------------|------|------|-------|-----|----|----------|
| TYP TYPE TYPE | 5AFT CURTAININSIDE | | | 1 | 24V-O1 | --- | --- | | | | | | | | | | | |
| VEHICLE IDENT. NUMBER CHASSIS NUMBER NUMERO DE CHASSIS | 7A9E20018K1023887 | | | 2 | --- | --- | --- | | | | | | | | | | | |
| BREMSEBERECHNUNGS-NR. BRAKE CALCULATION NO. CALCUL DE FREINAGE NO. | TP51976A | | | 3 | ALS2 | ALS2 | --- | | | | | | | | | | | |
| POLRADZÄHNEZAHL c-d e-f POLE WHEEL TEETH c-d e-f DENTS ROUE DENTÉE c-d e-f | 90 | 90 | ABS-System ABS-System Système ABS | 4 | --- | --- | --- | | | | | | | | | | | |
| RSS RSS RSS | Einfachbereifung Single Tire Monte simple | Lenkachse Steering axle Essieu vireux | | 5 | DIAG | DIAG | DIAG | | | | | | | | | | | |
| | Zwillingsbereifung Twin Tire Monte jumelé | X | Kippfährliches Fahrzeug Critical Trailer Véhicule critique | 6 | --- | --- | --- | | | | | | | | | | | |
| | | | | 7 | --- | --- | --- | | | | | | | | | | | |
| Subsystems | SB | I/O | 24N | | | | | | | | | | | | | | | |
| 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 | 1550 | 0.6 | 1.6 | 8000 | 5.1 | 0.4 | 1.3 | --- | 5.9 | - | 20 | 65 | 69 | 504 | 4287 | | | |
| 2 | 1550 | 0.6 | 1.6 | 8000 | 5.1 | 0.4 | 1.3 | --- | 5.9 | - | 20 | 65 | 69 | 504 | 4287 | | | |
| 3 | 1300 | 0.4 | 1.3 | 6350 | 3.9 | 0.3 | 1.4 | --- | 4.8 | - | 14 / 16 | 64 | 69 | 484 | 2870 | | | |
| 4 | 1300 | 0.4 | 1.3 | 6350 | 3.9 | 0.3 | 1.4 | --- | 4.8 | - | 14 / 16 | 64 | 69 | 484 | 2870 | | | |
| 5 | 1300 | 0.4 | 1.3 | 6350 | 3.9 | 0.3 | 1.4 | --- | 4.8 | - | 14 | 64 | 69 | 484 | 2870 | | | |

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 | 7A9E20018K1023887 |
| Vehicle type | 5AFT CURTAININSIDE | Odometer reading | 0.0 km |
| next Service | 0 km | Trip reading | 0.0 km |
| Tester | Chris Clarke | | |
| Date | 2019-09-25 2:32:58 PM | Signature | |

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

distribution: DOMETT TRAILERS
 7A9E20018K1023887
 SODC: JH190921
 LT400: CJC 718734

please note!

This brake calculation is made under consideration of
 -the legal prescriptions 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 : 5AFT CURTAININSIDE
 trailer type : 5-axle-full-trailer
 remarks : air / hydraulic / VA suspension
 WABCO TRAILER - EBS E
 TRISTOP 3+4: T.14/24 [TSE1416HTLD64 ACTUALLY FITTED -
 SEE PAGE 7 FOR PERFORMANCE DATA]
 265/70 R 19,5

axle 1 + 2 + 3 + 4 + 5 : SAF, SBW 1937, TDB 0749 ECE,

| | | | <u>unladen</u> | <u>laden</u> |
|--------------------------|----------|-------------|----------------|--------------|
| total mass | P in kg | | 7000 | 35050 |
| axle 1 | P1 in kg | | 1550 | 8000 |
| axle 2 | P2 in kg | | 1550 | 8000 |
| axle 3 | P3 in kg | | 1300 | 6350 |
| axle 4 | P4 in kg | | 1300 | 6350 |
| axle 5 | P5 in kg | | 1300 | 6350 |
| wheel base | E in mm | 7200 - 7500 | | |
| centre of gravity height | h in mm | 700 | | 2010 |

| | | <u>axle 1</u> | <u>axle 2</u> | <u>axle 3</u> | <u>axle 4</u> | <u>axle 5</u> |
|-------------------------------------|----------------|---------------|---------------|---------------|---------------|---------------|
| no. of combined axles | | 1 | 1 | 1 | 1 | 1 |
| no. of brake chambers per axle line | KDZ | 2 | 2 | 2 | 2 | 2 |
| The power output corresponds to | | BZ 122.1 | BZ 122.1 | BZ 119.6 | BZ 119.6 | BZ 122.1 |
| brake chamber manufacturer | | Meritor | Meritor | Meritor | Meritor | Meritor |
| chamber size | | 20. | 20. | T.14/24 | T.14/24 | 14. |
| lever length | LBh in mm | 69 | 69 | 69 | 69 | 69 |
| brake factor | [-] | 23.03 | 23.03 | 23.03 | 23.03 | 23.03 |
| dyn. rolling radius | rdyn min in mm | 421 | 421 | 421 | 421 | 421 |
| dyn. rolling radius | rdyn max in mm | 421 | 421 | 421 | 421 | 421 |
| threshold torque | Co Nm | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 |

calculation:

| | | | | | |
|--|-------|-------|-------|-------|-------|
| chamber pressure(rdyn min)pH at z=22,5%bar | 2.2 | 2.2 | 2.1 | 2.1 | 2.1 |
| chamber pressure(rdyn max)pH at z=22,5%bar | 2.2 | 2.2 | 2.1 | 2.1 | 2.1 |
| chamber press.(servo)pcha at pm6,5bar bar | 5.9 | 5.9 | 4.8 | 4.8 | 4.8 |
| piston force ThA at pm6,5bar N | 6825 | 6825 | 4586 | 4586 | 4586 |
| brake force(rdyn min)T lad. at pm6,5bar N | 51709 | 51709 | 34623 | 34623 | 34623 |
| brake force(rdyn max)T lad. at pm6,5bar N | 51709 | 51709 | 34623 | 34623 | 34623 |
| brake force within 1 % rolling friction proportion | % | 22.3 | 22.3 | 18.5 | 18.5 |
| | | | | | |

| | | |
|----------------------|-------|--------------|
| braking rate z laden | 0.603 | for rdyn min |
| z = sum (TR) / PRmax | 0.603 | 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: 971 002 ... 0 WABCO
EBS emergency valve

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

brake cylinder: Meritor 20HSCLD65

axle 2:

valve 1: 971 002 ... 0 WABCO
EBS emergency valve

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

brake cylinder: Meritor 20HSCLD65

axle 3:

valve 1: 971 002 ... 0 WABCO
EBS emergency valve

valve 2: 480 102 ... 0 WABCO
EBS trailer modulator

brake cylinder: Meritor 1424HTLD64

axle 4:

valve 1: 971 002 ... 0 WABCO
EBS emergency valve

valve 2: 480 102 ... 0 WABCO
EBS trailer modulator

brake cylinder: Meritor 1424HTLD64

axle 5:

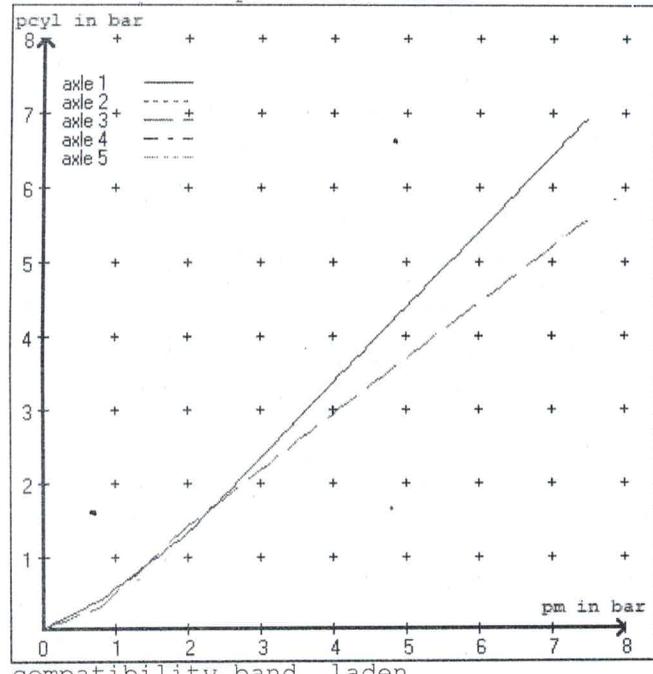
valve 1: 971 002 ... 0 WABCO
EBS emergency valve

valve 2: 480 102 ... 0 WABCO
EBS trailer modulator

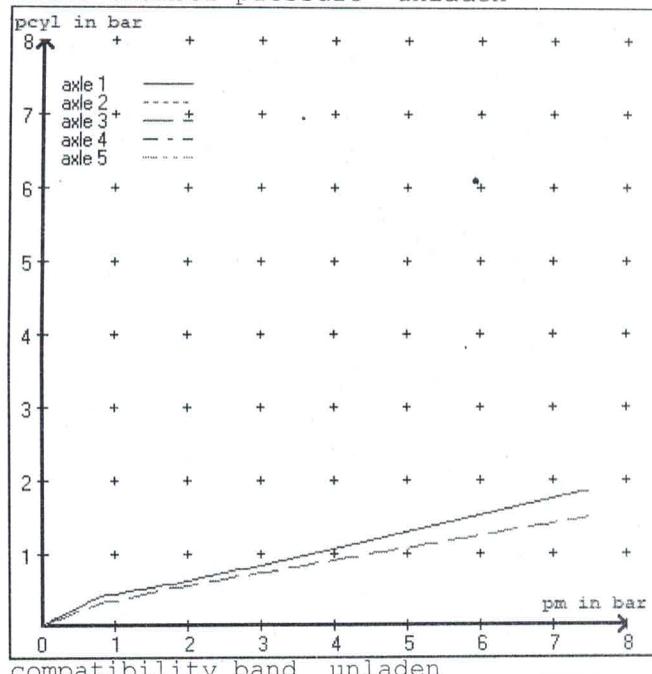
brake cylinder: Meritor 14HSCLD64

test type III (zIII = 0.30) for rdyn min : axle1 axle2 axle3 axle4 axle5
at pm 3.6 bar => pcha in bar : 3.0 3.0 2.6 2.6 2.6
test type III (zIII = 0.06) for rdyn min : axle1 axle2 axle3 axle4 axle5
at pm 1.3 bar => pcha in bar : 0.8 0.8 0.8 0.8 0.8

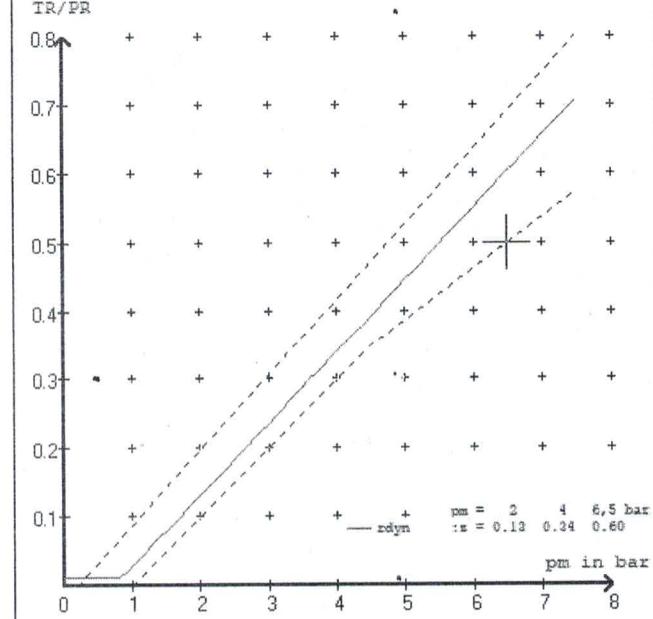
brake chamber pressure laden



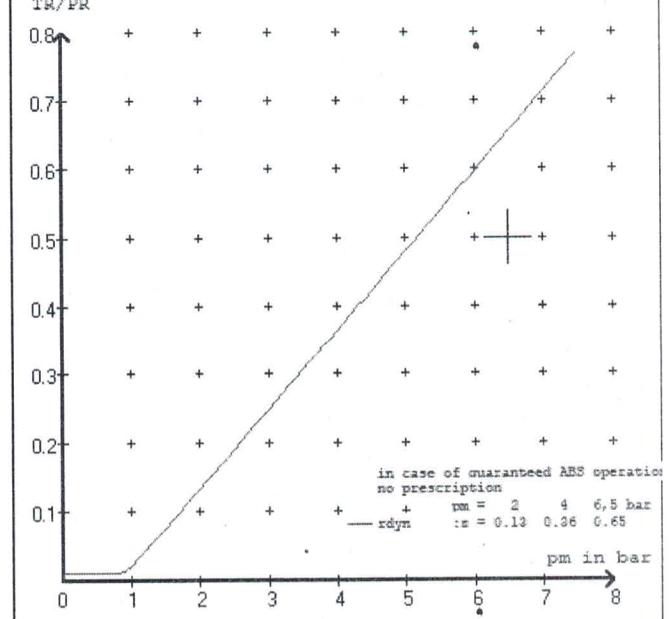
brake chamber pressure unladen



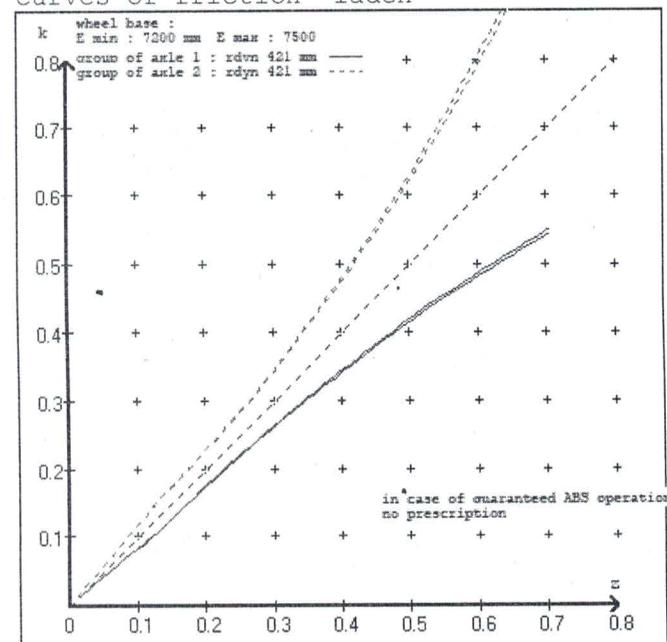
TR/PR



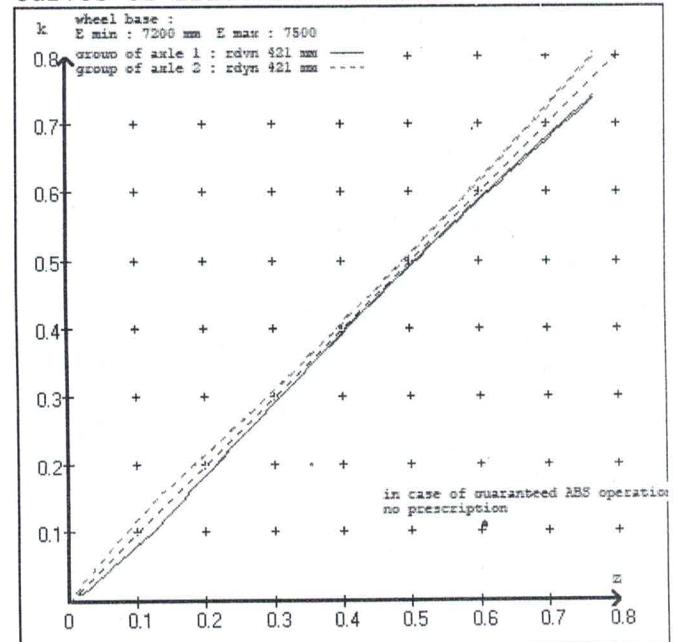
TR/PR



curves of friction laden



curves of friction unladen



vehicle manufacturer: DOMETT TRAILERS
 trailer model : 5AFT CURTAININSIDE
 trailer type : 5-axle-full-trailer

brake chamber and lever length :

| | | | | |
|----------|-------------------|---------|-----------|--------------------|
| axle 1 : | 2 x type/diameter | 20. | (Meritor) | lever length 69 mm |
| axle 2 : | 2 x type/diameter | 20. | (Meritor) | lever length 69 mm |
| axle 3 : | 2 x type/diameter | T.14/24 | (Meritor) | lever length 69 mm |
| axle 4 : | 2 x type/diameter | T.14/24 | (Meritor) | lever length 69 mm |
| axle 5 : | 2 x type/diameter | 14. | (Meritor) | lever length 69 mm |

brake diagram :

valve :

| | | |
|---------------|-----------------------------|------------------|
| 971 002 ... 0 | WABCO EBS emergency 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 | : 5AFT CURTAININSIDE |
| trailer type | : 5-axle-full-trailer |
| brake calculation no. | : TP 51976A |

| | |
|-----------------------------------|---------------------|
| 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 | 1550 | to be entered by the vehicle manufact. | 1.6 | 8000 | to be entered by the vehicle manufact. | 0.4 | 1.3 | 5.9 | |
| 2 | 1550 | | 1.6 | 8000 | | 0.4 | 1.3 | 5.9 | |
| 3 | 1300 | | 1.3 | 6350 | | 0.3 | 1.4 | 4.8 | |
| 4 | 1300 | | 1.3 | 6350 | | 0.3 | 1.4 | 4.8 | |
| 5 | 1300 | | 1.3 | 6350 | | 0.3 | 1.4 | 4.8 | |

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 5 |
|----------------|----------------|----------------|----------------|----------------|
| axle load pcyl |
| 1550 | 1.6 | 1550 | 1.6 | 1300 |
| 2050 | 1.9 | 2050 | 1.9 | 1800 |
| 2550 | 2.3 | 2550 | 2.3 | 2300 |
| 3050 | 2.6 | 3050 | 2.6 | 2800 |
| 3550 | 2.9 | 3550 | 2.9 | 3300 |
| 4050 | 3.3 | 4050 | 3.3 | 3800 |
| 4550 | 3.6 | 4550 | 3.6 | 4300 |
| 5050 | 3.9 | 5050 | 3.9 | 4800 |
| 8000 | 5.9 | 8000 | 5.9 | 6350 |

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

| | | |
|------------------------------|--------------|----------------------------|
| axle 1 : reference axle: SAF | SBW 1937 | brake lining: Jurid 539 |
| test report : | TDB 0749 ECE | date : 20130930 30.09.2013 |
| axle 2 : reference axle: SAF | SBW 1937 | brake lining: Jurid 539 |
| test report : | TDB 0749 ECE | date : 20130930 30.09.2013 |
| axle 3 : reference axle: SAF | SBW 1937 | brake lining: Jurid 539 |
| test report : | TDB 0749 ECE | date : 20130930 30.09.2013 |
| axle 4 : reference axle: SAF | SBW 1937 | brake lining: Jurid 539 |
| test report : | TDB 0749 ECE | date : 20130930 30.09.2013 |
| axle 5 : reference axle: SAF | SBW 1937 | brake lining: Jurid 539 |
| test report : | TDB 0749 ECE | date : 20130930 30.09.2013 |

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 = 24.3 % Fe |
| axle 2 | (rdyn 421 mm) | T = 24.3 % Fe |
| axle 3 | (rdyn 421 mm) | T = 18.2 % Fe |
| axle 4 | (rdyn 421 mm) | T = 18.2 % Fe |
| axle 5 | (rdyn 421 mm) | T = 18.2 % Fe |

calculated actuator stroke in mm

(item 4.3.1.1 of appendix 2 to annex 11)

| | | |
|--------|--------------|-----------|
| axle 1 | (sp = 58 mm) | s = 39 mm |
| axle 2 | (sp = 58 mm) | s = 39 mm |
| axle 3 | (sp = 56 mm) | s = 39 mm |
| axle 4 | (sp = 56 mm) | s = 39 mm |
| axle 5 | (sp = 56 mm) | s = 39 mm |

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

| | |
|-------|--------------|
| axle1 | ThA = 6825 N |
| axle2 | ThA = 6825 N |
| axle3 | ThA = 4586 N |
| axle4 | ThA = 4586 N |
| axle5 | ThA = 4586 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 = 40393 N |
| axle 2 | (rdyn 421 mm) | T = 40393 N |
| axle 3 | (rdyn 421 mm) | T = 27098 N |
| axle 4 | (rdyn 421 mm) | T = 27098 N |
| axle 5 | (rdyn 421 mm) | T = 27098 N |

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

| | | |
|---|------|------|
| braking rate of the vehicle (item 4.3.2 to appendix 2 to annex 11) | 0.60 | 0.47 |
|---|------|------|

| | |
|--|-------------------------------|
| 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 = 40393 N |
| axle 2 | (rdyn 421 mm) | T = 40393 N |
| axle 3 | (rdyn 421 mm) | T = 27098 N |
| axle 4 | (rdyn 421 mm) | T = 27098 N |
| axle 5 | (rdyn 421 mm) | T = 27098 N |

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

| | | |
|---|------|------|
| braking rate of the vehicle (item 4.3.2 to appendix 2 to annex 11) | 0.60 | 0.47 |
|---|------|------|

| | |
|--|-------------------------------|
| 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

| | | axle 3 | axle 4 |
|---|-----------------|---------|---------|
| no of TRISTOP-actuators per axle line KDZ | | 2 | 2 |
| TRISTOP-actuator type | | T.14/16 | T.14/16 |
| lever length | lBh in mm | 69 | 69 |
| 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 | 6160 | 6160 |
| sp.brake chamber no Meritor..... | | 4 | 4 |
| release pressure | pLs in bar | 4.5 | 4.5 |

calculation:

| | | | |
|-----------------------------------|----------|--------|--------|
| ratio until road | | 3.9674 | 3.9674 |
| iFb = lBh*Eta*C*rBt/(rBn*rstat) | | | |
| for rstat in mm | | 401 | 401 |
| brake force of spring br. Tf in N | | 48188 | 48188 |
| Tf = (TFZ*KDZ-2*Co/lBh)*iFb | | | |
| braking rate | zf laden | 0.290 | |
| 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

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

$$\text{min Ef} = 5507 \text{ mm} \quad \text{for } E = 7200 \text{ mm}$$

$$\text{=====}$$

$$\text{min Ef} = 5714 \text{ mm} \quad \text{for } E = 7500 \text{ mm}$$

$$\text{=====}$$

| | |
|---|---|
| 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 = 2010 mm | height of center of gravity - laden |
| PR = 19050 kg | maximum bogie mass - laden |
| P = 35050 kg | maximum total mass - laden |
| nf = 2 | no. of axle(s) with TRISTOP spring brake actuators |
| ng = 3 | no. of bogie axle(s) |

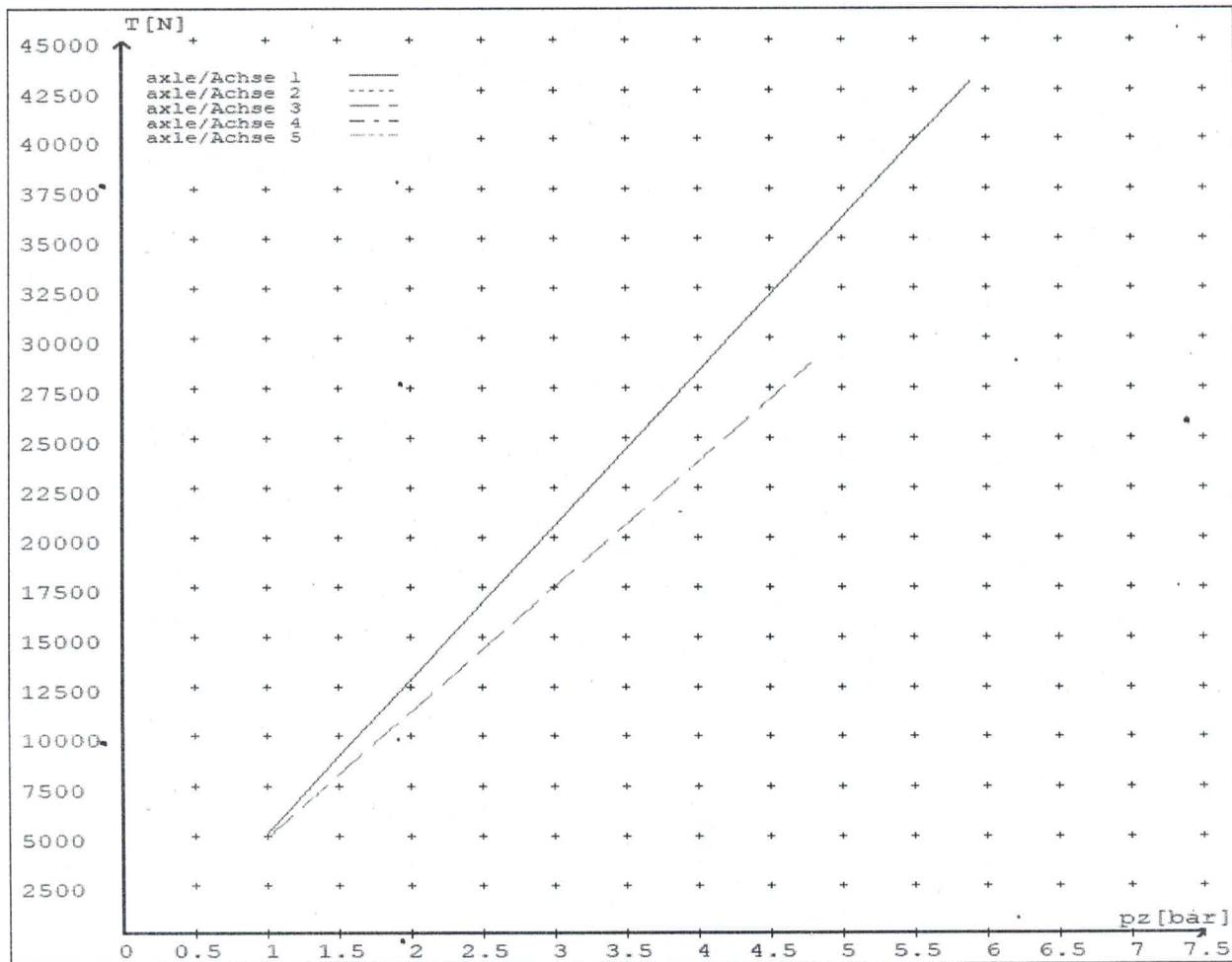
reference values

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

| | pz [bar] | T [N] | T [N] |
|--------|----------|-------|-------|
| axle 1 | 1.0 | 5045 | |
| | 5.9 | 42876 | |
| axle 2 | 1.0 | 5045 | |
| | 5.9 | 42876 | |
| axle 3 | 1.0 | | 4848 |
| | 4.8 | | 28709 |
| axle 4 | 1.0 | | 4848 |
| | 4.8 | | 28709 |
| axle 5 | 1.0 | | 4848 |
| | 4.8 | | 28709 |

VIN - no.:

| | Axle(s) / Achse(n) | | | | |
|---|--------------------|-------|---------|---------|-------|
| brake cylinder type (service / parking) Bremszylinder Typ (Betrieb / Fest) | 20./ | 20./ | T.14/24 | T.14/24 | 14./ |
| Maximum stroke smax = ...mm maximaler Hub smax = ...mm | 65 | 65 | 64 | 64 | 64 |
| Lever length = ...mm Hebellänge = ...mm | 69.08 | 69.08 | 69.08 | 69.08 | 69.08 |



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 32015/5.

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 32015/5. 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 a 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 (JEH) HVEK)

NOTICE TO VEHICLE OPERATOR

This trailer is equipped with an Electronic Brake System.

To comply with the New Zealand Heavy Vehicle Brake Rule 32015/5, 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)



NOTICE TO VEHICLE OPERATOR

WABCO Park Release Emergency Valve (PREV)

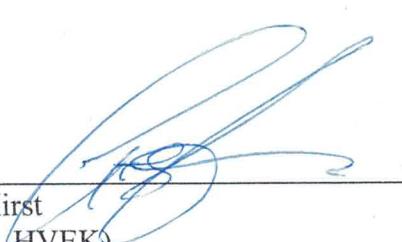
**This trailer is equipped with a WABCO PREV
Part # 971 002 900 0**

Application of the park brake via the cab control valve will actuate and apply all service brakes on the trailer. In the event of a leak in the service brake system the Spring Brakes will automatically override and hold the vehicle in compliance to Land Transport Rule: Heavy-vehicle Brakes Rule 32015/5.

When the vehicle is presented for COF the trailer park brake system is tested by pulling the red actuation knob on the PREV, situated mid way down the chassis rail. The cab control in the prime mover does not have to be applied for this test procedure.

If you are unsure of any aspect relating to this instruction please contact either the vehicle manufacturer or myself.

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



NEW ZEALAND HEAVY VEHICLE BRAKE RULE 32015-5 .
WORKSHEET, PROCEDURE DOCUMENTATION SHEET
& CONFIRMATION OF COMPLIANCE

CLIENT**MANUFACTURER:**

DOMETT TRAILERS

ADDRESS:

TAURIKURA DRIVE, TAURANGA 3173

FLEET:

MAINFREIGHT

VEHICLE DETAILS**VEHICLE TYPE:**

SAFT CURTAINSIDE

CERT #:

JH190921

YEAR:

2019

CALCULATION #:

TP51976

MAKE:

DOMETT

REGO:

N/A

MODEL:

E2001 PH

LT400 #:

718734

CHASSIS #:

1887

ORDER NUMBER:

6731

VIN #:

7A9E20018K1023887

GVM: TONNES

32

PRIME MOVER:

EBS / EUROPEAN

LOAD CONFIGURATION:

MIXED FREIGHT

GROUP RATINGS: TONNES**FRONT****REAR**

16

19

WHEEL BASE: METRES

7.3

COG: METRES

2.007

UNLADEN COG**MAX HEIGHT****HEIGHT DECK**

0.7

4.3

1.088

TARE: TONNES**FRONT****REAR****TOTAL**

3.1

3.9

7

TYRE SIZE:

265 70 R19.5

265 70 R19.5

ROLLING CIRCUMFERENCE: MM

2645

2645

AXLE SPACING: METRES

1.31

2.51

BRAKE & AXLE DETAILS

| | MAKE | MODEL | TEST REPORT |
|-------------------|-----------|------------------|-------------|
| AXLE: | SAF | SAF-ZI9W | TDB0749 |
| POLE WHEEL FRONT: | 90 | POLE WHEEL REAR: | 90 |
| LINING MATERIAL: | JURID 539 | BRAKE FACTOR: | 23.03 |
| 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 | AXLE 5 |
|---------------------------|-------------------|---------------------|------------------|
| BRAND: | TSE_CHAMBERS | TSE_CHAMBERS | TSE_CHAMBERS |
| SIZE: | 20HSCLD | 1416HTLD | 14HSCLD |
| STROKE: MILLIMETRES | 65 | 64 | 64 |
| TEST REPORT #: | BC 0041.0 Jul '07 | BC0143.0 | BZ 122.1 Sep '00 |
| SPRINGBRAKE FORCE: kN | N/A | 6.16 | N/A |
| HOLDOFF PRESSURE: kPa | N/A | 4.5 | N/A |
| FOUNDATION BRAKE: | WABCO PAN19 | WABCO PAN19 | WABCO PAN19 |
| LEVER LENGTH: MILLIMETRES | 69 | 69 | 69 |
| BRAKE VALVES: | MAKE: | PART NUMBER: | PM PRESS. kPa |
| ECU PART #: | WABCO | 480 102 08. 0 (MV) | 80 kPa |
| 3RD MODULATOR #: | WABCO | 480 207 202 0 (12V) | 80 kPa |
| ANTI-COMPOUNDING: | YES | ELEX: | N/A |
| SPRING BRAKE RELAY: | WABCO_PREV | 971 002 900 0 | |
| YARD RELEASE VALVE: | WABCO-PREV | 971 002 900 0 | |
| INLINE RELAY FITTED: | N/A | N/A | |

ECU DIRECTION: FRONT REAR **FRONT FRICTION: μ**

SMARTBOARD/OPTILINK: SMARTBOARD OPTI-LINK

Page 2

SUSPENSION

| | FRONT | REAR |
|------------------------------|---------------|---------------|
| SUSPENSION TYPE: | PNEUMATIC | PNEUMATIC |
| MAKE: | SAF_AIRSPRING | SAF_AIRSPRING |
| MODEL: | SAF_INTRA | SAF_INTRA |
| BELLOW SIZE: | 2619, 300mm | 2619, 300mm |
| HEIGHT CONTROL VALVE: | 464 008 011 0 | 464 008 011 0 |
| OTHER VALVES: | N/A | 338 055 101 |
| RIDE HEIGHT MM: | 280 | 280 |
| HANGER HEIGHT MM: | 200 | 200 |
| PEDESTAL HEIGHT MM: | 50 | 50 |
| LIFTAXLE: | | N/A |
| TIPPING DUMP SWITCH: | | N/A |
| LIFTAXLE VALVE: | | N/A |

AIR TANKS

| AIR TANKS STANDARD: | SAE J10A / EN286-2 | |
|-------------------------------|--------------------------|------|
| | FRONT | REAR |
| BRAKE TANK SIZE: L | 46 | 71 |
| AUXILLARY TANK SIZE: L | 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 [F/R] | MILLIMETRE [F / R] |
|----------------------|--------------------------|---------------------------|
| 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:

205

210

370

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 32015/5, SCHEDULE 5.

DATE:

25/09/2019

SIGNED:

CERTIFIER NAME & ID:

JOHN HIRSTJEH

SODC ENDORSED BY:

CHRIS CLARKECJC

PHONE (BUS):

09-980-7300