

Heavy vehicle specialist certificate

Must be presented to a CoF (heavy) inspecting organisation if not entered into LANDATA

| Heavy vehicle specialist inspector's or manufacturing inspecting organisation's name (PRINT IN CAPS) CHRIS CLARKE | inspecting organisation's name (PRINTIN) CHRIS CLARKE | PRINTIN CAPS) ID | CJC |
|---|---|---|--------------|
| Plate number (optional) | VIN/chassis number 7 A 9 E 2 5 | 0 1 4 N 2 0 2 | ಬ |
| Make DOMETT | g certified: | Cha | |
| Model (optional) E2501 H | Log bolsters | Towing connection | Brakes |
| Certification category HVEK | SRT Swept path | PSV stability PBS | PSV rollover |
| Description of work | | | |
| CERTIFY TO SCHEDULE 5 OF LTR 32015/5: NZ HEAVY VEHICLE BRAKE SPECIFICAT | TR 32015/5: NZ HEAVY VE | HICLE BRAKE SPECIFIC | ATION. |
| CARRY OUT BRAKE CALCULATIONS, INSPECTION AND ECU END OF LINE PROTOC | ONS, INSPECTION AND E | CU END OF LINE PROTO | OCOL. |
| 5AFT LIVESTOCK | RSS ON | RSS ON TYRE: 265 70 R19.5 | |
| FOR SYSTEM ARCHITECTURE, I | PLEASE REFER TO PDS V | TO PDS WORKSHEET & SCHEMATIC. BUILD | TIC. |
| Code/standard/rule certified to LTR 32015/5 | Compone | Component load rating(s) 32 Tonnes GVM | |
| General drawing number(s) N/A | • | 16 Tonne (Front brake 19 Tonne (Rear brake | ke mass) |
| Supporting documents BRAKE RULE CERTIFICATE BRAKE CALCULATION # | JH220527 TP52513 | | 5.5 |
| Special conditions (optional) WARNING LAMP MUST ILLUMINATE WHEN IGNITION IS SWITCHED ON & THEN EXTINGUISH IMMEDIATELY OR WHEN VEHICLE SPEED EXCEEDS 7 KM/H | ATE WHEN IGNITION IS SV | WITCHED ON & THEN XCEEDS 7 KM/H | |
| Certification expiry date (if applicable) N/A [UNLESS MODIFIED] | or Hubodome | Hubodometer reading (whichever comes first) | |
| Declaration | Designer's | Designer's ID (if different from inspector below) JOHN HIRST | JEH |
| 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. | Inspector's Inspector's Date | HAIS (LARK) Number 7. 2022 | ID number |
| CoF vehicle inspector ID (if applicable) | CoF vehicle inspector signature (if applicable) | applicable) Date | |

All fields are mandatory unless otherwise stated.

brake diagram :

maximum pressure: 8.5 bar

axle 1: valve 1: 480 207 0.. 0 EBS relay valve

WABCO

or 480 207 2.. 0

brake cylinder: Meritor 20HSCLD65

axle 2:
valve 1: 480 207 0.. 0
EBS relay valve

WABCO

or 480 207 2.. 0

brake cylinder: Meritor 20HSCLD65

axle 3:
valve 1: 480 102 0.. 0
EBS trailer modulator

WABCO

brake cylinder: Meritor 1424HTLD64

axle 4: valve 1:

480 102 0.. 0 EBS trailer modulator

WABCO

brake cylinder: Meritor 1424HTLD64

axle 5: valve 1: 480 102 0.. 0 EBS trailer modulator

WABCO

brake cylinder: Meritor 14HSCLD64

test type III at pm 3.6 bar test type III at pm 1.3 bar 11 11 0.06)0.30) for rdyn min pcha in bar for rdyn min pcha in bar axle1 axle2 axle3 axle4 axle5 3.2 3.2 2.5 2.5 axle1 axle2 axle3 axle4 axle5 0.8 0.8 0.8 0.8 2.5

0.8

vehicle trailer trailer manufacturer:
r model :
r type : DOMETT TRAILERS

5AFT LIVESTOCK

5-axle-full-trailer

brake and lever length

axl axl axle axle 0 0 54821 Chamber 1 : 2 x 2 x 2 : 2 x 3 : 2 x 4 : 2 x 4 : 2 x 4 XXXXX type/diameter type/diameter type/diameter type/diameter type/diameter 20. 20. T.14/24 T.14/24 (Meritor) (Meritor) (Meritor) (Meritor) lever lever l lever l lever length length length length length 69 69 mm 69 69 mm mm

brake diagram ٠.

val 480 480 Ve

ve : 207 102 00 00 WABCO WABCO EBS relay valve trailer modulator

input data

vehicle manufacturer: DOMETT TRAILERS

5AFT LIVESTOCK 5-axle-full-trailer

trailer model : trailer type : brake calculation no. ΤP

52513A

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

max max

assignment (laden conc ment pm / donction) / deceleration Ν.. mq

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| release pressure pls in bar | ring brake no Meritor | stroke of | stat. tyre radius rstat max in | lever length lBh in | TRISTOP-actuator type | no of TRISTOP-actuators per axle line KDZ | |
|-----------------------------|--------------------------|-----------|--------------------------------|---------------------|-----------------------|---|--------|
| bar | N | mm | mm r | urur L | | KDZ | |
| 4.8 | 6160 4 | 30 | 401 | 69 | T.14/16 | N | axle 3 |
| 4.8 | 6160 4 | 30 | 401 | 69 | T.14/16 | N | axle 4 |

calculation:

| braking rate $zf = sum (Tf)/P + 0.01$ | for rstat in mm brake force of spring br. Tf in N Tf = (TFZ*KDZ-2*Co/1Bh)*iFb | <pre>ratio until road iFb = lBh*Eta*C*rBt/(rBn*rstat)</pre> |
|---------------------------------------|---|---|
| 0.290 | 401 48188 | 3.9674 |
| | 401 48188 | 3.9674 |

0 the frictional connection required рV the parking brake

minimum wh to fulfil wheelbase/minimum supporting width min 压力 necessary

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zferf h PR P nf min and E fzul Ef : 11. 11. 11. 11. 11. 11. 11. 11. BB 227 1905 3505 an axle(s) 0.80 0.18 7.5 mm 50 kg 50 kg 2 maximum bogie mass - laden maximum total mass - laden no. of axle(s) with TRISTOP no. of bogie axle(s) maximum permissible frictional maximum required braking ratio height of center of gravity - 1 minimum distance between (resultant of the bogie) wheel base front spring connection required of the parking brake laden axle(s) brake (trailer) actuators 04 support (semitraile)

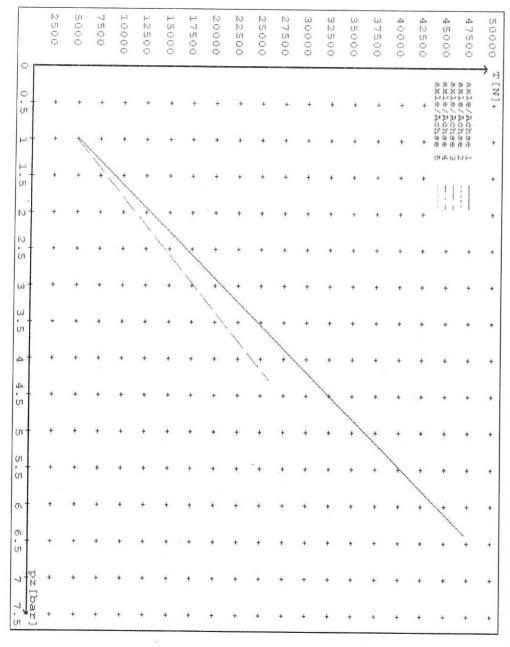
reference values

reference values for N 11 50% for max rdyn: 421 mm

| axle 5 | axle 4 | axle 3 | axle 2 | axle 1 | |
|---------------|---------------|---------------|---------------|---------------|----------|
| 1.0 | 1.0 4.3 | 1.0 4.3 | 1.0 | 1.0 | pz [bar] |
| | | - | 5095 47206 | 5095 47206 | T [N] |
| 4897 25827 | 4897 25827 | 4897 25827 | | | T [N] |

VIN - no.:

| | | AXIE | Axle(s) / Achse(n) | e(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 | 6 5 | 65 | 64 | 64 | 64 |
| Lever length =mm Hebellänge =mm | 69.08 | 69.08 | 69.08 | 69.08 | 69.08 |
| | | | | | |







NOTICE TO VEHICLE OPERATOR

AND FITTED IN ACCORDANCE WITH THE LAND TRANSPORT HEAVY VEHICLE BRAKE RULE 32015/5. THIS VEHICLE HAS A BRAKE SYSTEM WHICH HAS BEEN DESIGNED

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

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

10.2 RESPONSIBILITIES OF REPAIRERS

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

- does not prevent the vehicle from complying with this rule;
- <u>5</u> 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

- 2 ensure that the modification does not prevent the vehicle from complying with this
- 5 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.

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

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





NOTICE TO VEHICLE OPERATOR

This trailer is equipped with an Electronic Brake System.

truck/tractor equipped with a 5 or 7 pin ABS/EBS power Rule 32015/5, it must be used only in conjunction with a To comply with the New Zealand Heavy Vehicle Brake 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 If the light does not illuminate when ignition is switched compliance is compromised. Repairs must be made as illuminated when the vehicle is in motion, Brake Rule on, the system must be checked. If the light remains on and extinguish when the vehicle is in motion soon as possible

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

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



O= Transpecs

NEW ZEALAND HEAVY VEHICLE BRAKE RULE 32015-5 WORKSHEET, PROCEDURE DOCUMENTATION SHEET

& CONFIRMATION OF COMPLIANCE

| MANUFACTURER: | | DOMETT TRAILERS | |
|--------------------------|-----------------|--------------------------------|----------------|
| ADDRESS: | TAURI | TAURIKURA DRIVE, TAURANGA 3110 | A 3110 |
| FLEET: | | CARLEYS TRANSPORT | |
| VEHICLE DETAILS | | | |
| VEHICLE TYPE: | 5AFT LIVESTOCK | CERT #: | JH220527 |
| YEAR: | 2022 | CALCULATION #: | TP52513 |
| MAKE: | DOMETT | REGO #: | N/A |
| MODEL: | E2501 H | | 830434 |
| CHASSIS #: | 2140 | ORDER #: | 8299 |
| VIN #: | 7A9E25014N2023 | 23140 | |
| GVM: t | 32 | PRIME MOVER: | EBS / EUROPEAN |
| LOAD CONFIGURATION: | UNIFORM DENSITY | | |
| GROUP RATINGS: t | FRONT | REAR | ii ii |
| | 16 | 19 | |
| WHEEL BASE: m | 6.49 | | |
| | UNLADEN COG m | MAX HEIGHT m | HEIGHT DECK m |
| | 1.485 | 4.3 | 0.99 |
| COG: m | 2.275 | | |
| | FRONT | REAR | TOTAL |
| IAKE: [| 4.8 | 5.4 | 10.2 |
| TYRE SIZE: | FRONT | REAR | |
| ROITING CIRCLIMEEDENICE: | | 200 /0 075.5 | |
| | 70.40 | 2043 | |
| TARE OF ACING. 11 | 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 AXLE(S): | 2+4 | | NOTES: |
| SERIAL NUMBERS: | 1 | 8//4 | NG-IU28-ZI9-19W |
| | 2 | One. | NG-IU28-ZI9-19W |
| | ω | 78//4 | NG-IU28-ZI9-19W |
| 3. | 4 | \$\$JA | NG-IU28-ZI9-19W |
| | 5 | NIA | NG-IU28-ZI9-19W |
| 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: mm | 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: Bar | N/A | 4.8 | N/A |
| FOUNDATION BRAKE: | WABCO PAN19 | WABCO PAN19 | WABCO PAN19 |
| LEVER LENGTH: mm | 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 | | |
| SPRING BRAKE RELAY: | SEALCO_SBR | 110701 | |
| YARD RELEASE VALVE: | SEALCO_YR | 17600B | |
| NLINE RELAY FITTED: | N/A | N/A | |
| ECU DIRECTION: | ✓ FRONT REAR | FRONT FRICTION: μ | 0.49 |
| SUBSYSTEMS: | ☐ SMARTBOARD | ☐ OPTI-LINK ☐ CAN RO | ☐ CAN ROUTER 446 122 050 0 |
| | ☐ ELEX 446 122 070 0 | ☐ TAILGUARD | Page 2 |

Page 2

SUSPENSION

| SUSPENSION TYPE: MAKE: MODEL: BELLOW SIZE: HEIGHT CONTROL VALVE: OTHER VALVES: RIDE HEIGHT mm: HANGER HEIGHT mm: PEDESTAL HEIGHT mm: LIFTAXLE: TIPPING DUMP SWITCH: LIFTAXLE VALVE: PRESSURE LIMITING: | PNEUMATIC SAF_AIRSPRING SAF_INTRA 2619, 300mm HALDEX 90554950 N/A 260 200 50 | PNEUMATIC SAF_AIRSPRING SAF_INTRA 2619, 300mm 464 008 011 0 N/A 200 N/A N/A N/A N/A N/A | |
|--|--|--|-----|
| PEDESTAL HEIGHT mm: | 50 | 50 | |
| LIFTAXLE: | У. | N/A | |
| TIPPING DUMP SWITCH: | | N/A | |
| LIFTAXLE VALVE: | | N/A | |
| PRESSURE LIMITING: | | N/A | |
| AIR TANKS | | | |
| AIR TANKS STANDARD: | SAE J10A / EN286-2 | EN286-2 | |
| | FRONT | REAR | |
| BRAKE TANK SIZE: L | 25 + 25 | 46 + 25 | |
| AUXILLARY TANK SIZE: L | N/A | 46 | |
| PRESSURE PROTECTION: | WABCO PEM: 461 513 002 0 | 61 513 002 0 | |
| | ¥ | | а |
| AIR LINES | | | |
| TEST POINTS: | | | |
| CONTROL LINE: | X1 | TANK: | × |
| REAR CHAMBER: | X 2 | FRONT CHAMBER: | X 1 |
| DUOMATIC COLOUR CODED: | YES | | |

ELECTRONIC HEIGHT SENSOR CALIBRATION

TIMER TICKS [F/R]

UPPER LEVEL:

NORMAL LEVEL:

LOWER LEVEL:

MILLIMETRE [F / R]

| 1261 | 1298 | 1366 |
|------|------|------|
| 220 | 260 | 345 |

CHECKS AT COMMISSION OF VEHICLE

CHAMBER BUNGS REMOVED: 4

VALVE MOUNTING:

<

ECU BLANKING PLUGS CHECKED:

4

RESPONSE TIME:

ms:

MODULATOR 2.1

190

MODULATOR 2.2

195

430

RELAY VALVE

NOTES AND SPECIAL CONDITIONS

FILES RECEIVED: 13.01.2022

FILES CREATED: 27.05.2022

FILES RETURNED AS COMPLETE:

REASON FOR CERTIFICATION:

NEW TRAILER BUILD

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

NEW ZEALAND HEAVY VECHLE BRAKE RULE 32015/5, SCHEDULE 5.

DATE:

21/07/2022

SIGNED:

CERTIFIER NAME & ID:

CHRIS CLARKE

JOHN HIRST

CC

PHONE (BUS):

SODC BY:

Ē

09-980-7300

POSTAL ADDRESS:

P.O. Box 98-971, Manukau 2241

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