

# Heavy vehicle specialist certificate

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

Plate number (optional)	VIN/chassis number <b>7A9C20033N2023206</b>
Make <b>DOMETT</b>	Component being certified: <input type="checkbox"/> Chassis <input type="checkbox"/> Load anchorage
Model (optional) <b>C2003 PH</b>	<input type="checkbox"/> Log bolsters <input type="checkbox"/> Towing connection <input checked="" type="checkbox"/> Brakes
Certification category <b>HVEK</b>	<input type="checkbox"/> SRT <input type="checkbox"/> PSV stability <input type="checkbox"/> PSV rollover
Description of work	<input type="checkbox"/> Swept path <input type="checkbox"/> PBS

**CERTIFY TO SCHEDULE 5 OF LTR 32015/5: NZ HEAVY VEHICLE BRAKE SPECIFICATION.**  
**CARRY OUT BRAKE CALCULATIONS, INSPECTION AND ECU END OF LINE PROTOCOL.**  
**3ASBTF CURTAINSIDE** **RSS ON TYRE: 265 70 R19.5**  
**FOR SYSTEM ARCHITECTURE, PLEASE REFER TO PDS WORKSHEET & SCHEMATIC.**  
**REASON FOR CERTIFICATION: NEW TRAILER BUILD**

Code/standard/rule certified to <b>LTR 32015/5</b>	Component load rating(s) <b>33 Tonnes GVM</b>
General drawing number(s) <b>N/A</b>	<b>19 Tonnes (Rear brake mass)</b>

Supporting documents  
**BRAKE RULE CERTIFICATE JH220413**  
**BRAKE CALCULATION # TP52489**

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]**

Hubdodometer reading (whichever comes first)  **OR**

## 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) <b>JOHN HIRST</b>	ID number <b>JEH</b>
Inspector's signature 	Inspector's name (PRINT IN CAPS) <b>CHRIS CLARKE</b>
Date <b>05.07.2022</b>	Number <b>830400</b>

CoF vehicle inspector ID (if applicable)	CoF vehicle inspector signature (if applicable)	Date
<input type="text"/>	<input type="text"/>	<input type="text"/>

All fields are mandatory unless otherwise stated.

# WABCO START-UP LOG

System	Trailer EBS-E	WABCO part number	480 102 080 0
Production date	2021-10-14	Serial number	897040500300N
Serial number (modulator)	000000543496		
Fingerprint Customer EOL / Customer Development / Flash Program	W503643 / 2022-07-05 ; 00000000 / 0000-00-00 ; 00000000 / 0000-00-00		

## WABCO

### TRAILER EBS-E

GGV/ADR TUEH TB 2007 - 019.00  
ATPR0185

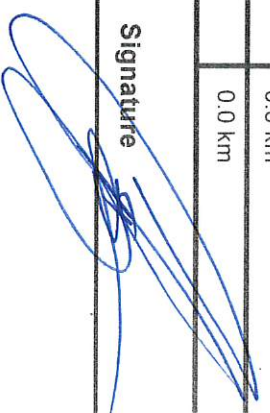
Hersteller MANUFACTURER CONSTRUCTEUR	DOMETT TRAILERS		
Type	3ASBTF CURTAINSIDE		
VEHICLE IDENT NUMBER CHASSIS NUMBER NUMERO DE CHASSIS	7A9C20033N2023206		
BRIKSEBERECHNUNGS-NR. BRAKE CALCULATOR NO. CALCUL DE FREINAGE NO.	TP52489S		
POLEZUORDNUNG: C4 I+4 ABS SYSTEM DEBITS ROUE DENTRE C4 I+4	100	---	ABS System Systeme ABS 2S/2M
R15 Einachsbehälter R15S Home simple			Leuchte R15S Essieu vueur
R15S Zweifelspendelung Twin Tie Home jumelle	X		Kopplampe Fahrzeug Circuit Trailer Vehicle critique
Subsystems	...	I/O	24N

A CHSE ESSIEU	pm (bar)	6.5	pm (bar)	0.8	2.0	...	6.5	Td	TYPE	(mm)	(mm)	TR (daN)			
												1.0	Pz		
1	1450	0.5	2.0	6350	3.5	0.3	1.3	---	5.1	-	14 / 16	64	69	443	2802
2	1450	0.5	2.0	6350	3.5	0.3	1.3	---	5.1	-	14 / 16	64	69	443	2802
3	1450	0.5	2.0	6350	3.5	0.3	1.3	---	5.1	-	14	64	69	443	2802
4	0	---	---	---	---	---	---	---	---	---	---	---	---	---	---
5	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.	7A9C20033N2023206
Vehicle type	3ASBTF CURTAINSIDE	Odometer reading	0.0 km
Next service	0 km	Trip reading	0.0 km
Tester	Chris Clarke	Signature 	
Date	2022-07-05 1:41:39 pm		

distribution: DOMETT TRAILERS  
 7A9C20033N2023206  
 SODC: JH220413  
 LT400: CTC 830400

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 (V6.18.07.12),  
 -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 command to do a braking harmonisation!  
 WABCO/Brake V6.18.07.12 db 31.08.2018

vehicle manufacturer: DOMETT TRAILERS  
 trailer model : 3ASBTF CURTAINSIDE  
 trailer type : 3-axle-semi-trailer  
 remarks : air / hydraulic / VA suspension  
 WABCO TRAILER - EBS E  
 TRISTOP 1+2: T.14/24 [TSE1416HTLD ACTUALLY FITTED -  
 SEE PAGE 6 FOR PERFORMANCE DATA]  
 265/70 R 19,5

axle 1 + 2 + 3 : HENDRICKSON, SBW 1937, ATPR0185, AT0185

		unladen		Laden
total mass	P in kg	6000	- 7000	33000 - 35000
king-pin	PS kg	1650	- 2650	13950 - 15950
axle 1	P1 in kg		1450	6350
axle 2	P2 in kg		1450	6350
axle 3	P3 in kg		1450*	6350
total axle mass	PR in kg		4350	19050
wheel base	E in mm		6900 - 7000	
centre of gravity height	h in mm		912	2032
K-factor	Kv min		1.9772	0.9982
K-factor	Kv max		1.9930	1.0152

no. of combined axles  
 no. of brake chambers per axle line Kdz  
 The power output corresponds to  
 brake chamber manufacturer  
 chamber size  
 lever length  
 brake factor  
 dyn. rolling radius  
 dyn. rolling radius  
 threshold torque

	axle 1	axle 2	axle 3
manually	1	1	1
manually	2	2	2
Meritor	BZ 119.6	BZ 119.6	BZ 122.1
Meritor	T.14/24	T.14/24	14.
IBh in mm	69	69	69
[-]	23.49	23.49	23.49
rdyn min in mm	421	421	421
rdyn max in mm	421	421	421
Co Nm	6.0	6.0	6.0

calculation:  
 chamber pressure(rdyn min)pH at z=22,5%bar  
 chamber pressure(rdyn max)pH at z=22,5%bar  
 chamber press.(servo)pcha at pm6,5bar  
 piston force ThA at pm6,5bar  
 brake force(rdyn min)T lad. at pm6,5bar  
 brake force(rdyn max)T lad. at pm6,5bar  
 Brake force incl. 1 % rolling resistance

2.0	2.0	2.0
2.0	2.0	2.0
5.1	5.1	5.1
4886	4886	4886
37620	37620	37620
37620	37620	37620
33.3	33.3	33.3

braking rate z laden 0.604 for rdyn min  
 z = sum (TR)/Pmax 0.604 for rdyn max

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

brake diagram : 841 701 101 0

maximum pressure: 8.5 bar

axle 1:

valve 1: 971 002 ... 0 WABCO

EBS emergency valve

valve 2: 480 102 ... 0 WABCO

EBS trailer modulator

brake cylinder: Meritor 1424HTLD64

axle 2:

valve 1: 971 002 ... 0 WABCO

EBS emergency valve

valve 2: 480 102 ... 0 WABCO

EBS trailer modulator

brake cylinder: Meritor 1424HTLD64

axle 3:

valve 1: 971 002 ... 0 WABCO

EBS emergency valve

valve 2: 480 102 ... 0 WABCO

EBS trailer modulator

brake cylinder: Meritor 14HSCLD64

or 480 207 0.. 0 / 2.. 0

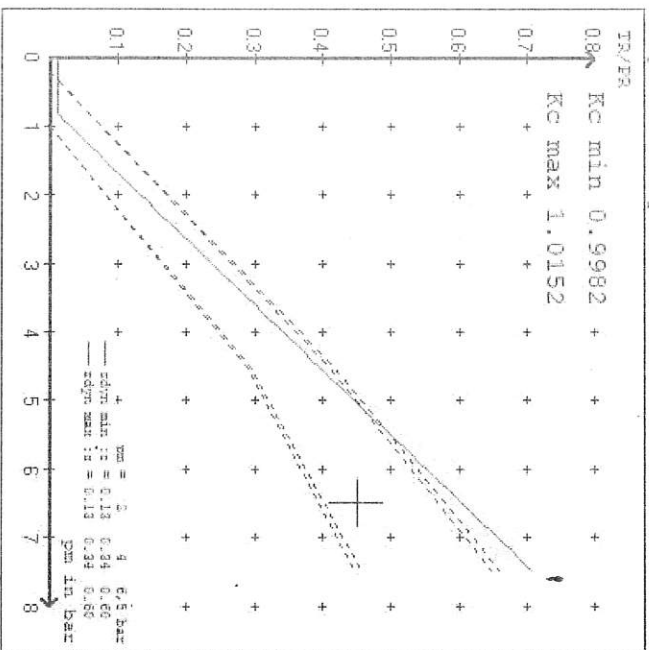
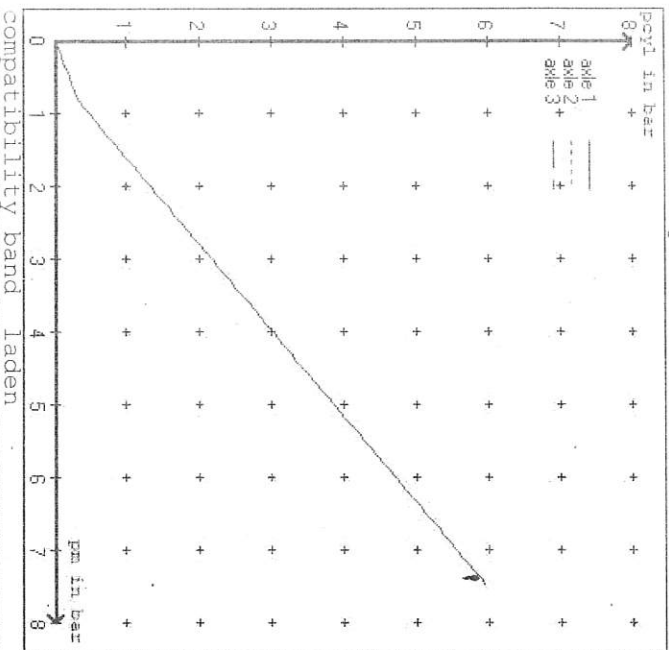
test type III (zIII = 0.30) for rdyn min : axle1 axle2 & axle3

at pm 3.6 bar => pcha in bar : 2.6 2.6 2.6

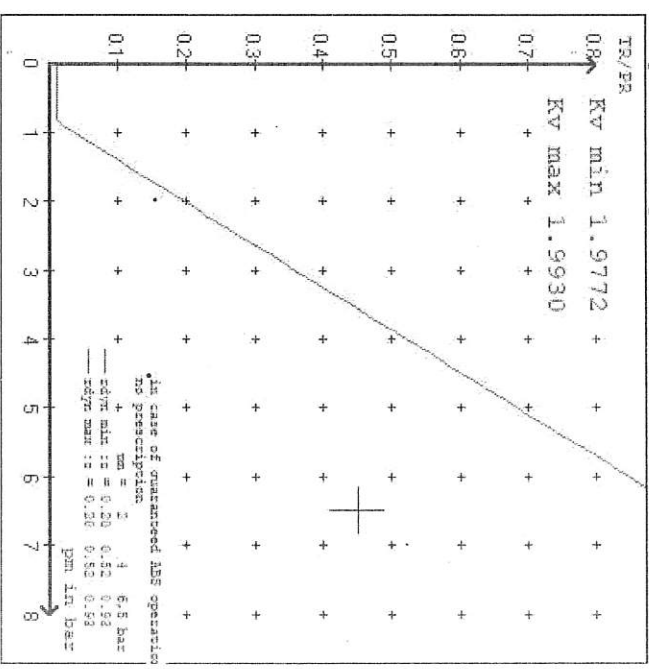
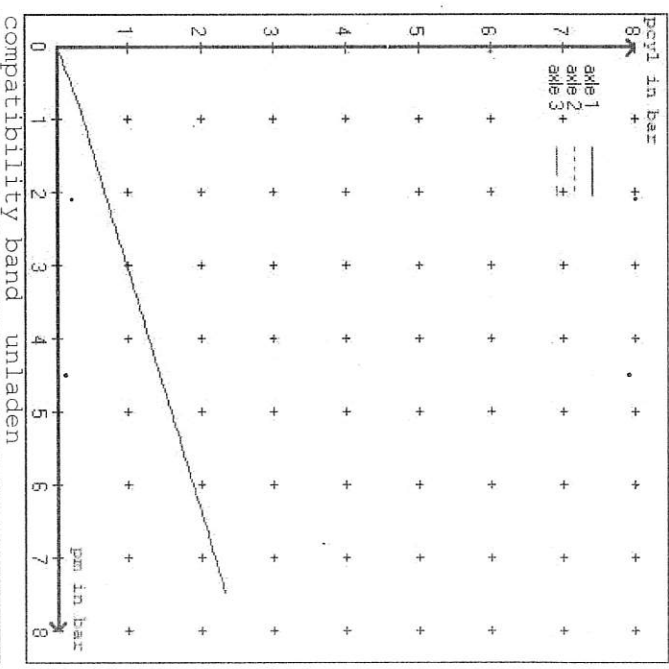
test type III (zIII = 0.06) for rdyn min : axle1 axle2 axle3

at pm 1.3 bar => pcha in bar : 0.7 0.7 0.7

brake chamber pressure laden



brake chamber pressure unladen



vehicle manufacturer: DOMETT TRAILERS  
 trailer model : 3ASBTF CURTAINSIDE  
 trailer type : 3-axle-semi-trailer

brake chamber and lever length :

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

brake diagram : 841 701 101 0

valve :  
 971 002 ... 0 WABCO EBS emergency valve  
 480 102 ... 0 WABCO EBS trailer modulator  
 480 102 ... 0 WABCO EBS trailer modulator or 480 207 0.. 0 / 2.. 0

EBS input data

vehicle manufacturer: DOMETT TRAILERS  
 trailer model : 3ASBTF CURTAINSIDE  
 trailer type : 3-axle-semi-trailer  
 brake calculation no. : TP 52489S

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  
 2.0 bar z = 0.134  
 6.5 bar z = 0.600

axle	control pressure pm		brake pr. unladen	axle load laden	control pressure pm		brake pr. laden	6.5
	axle load unladen	bellow pr. unladen			bellow pr. laden	brake pr. laden		
1	1450	to be	2.0	6350	to be	0.3	1.3	5.1
2	1450	entered by	2.0	6350	entered by	0.3	1.3	5.1
3	1450	the vehicle	2.0	6350	the vehicle	0.3	1.3	5.1
4	0	manufact.	0,0	0	manufact.	0,0	0,0	0,0
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 load	pcyl	axle 2	axle load	pcyl	axle 3	axle load	pcyl
1450	2.0	1450	2.0	1450	2.0			
1950	2.3	1950	2.3	1950	2.3			
2450	2.6	2450	2.6	2450	2.6			
2950	2.9	2950	2.9	2950	2.9			
3450	3.3	3450	3.3	3450	3.3			
3950	3.6	3950	3.6	3950	3.6			
4450	3.9	4450	3.9	4450	3.9			
4950	4.2	4950	4.2	4950	4.2			
6350	5.1	6350	5.1	6350	5.1			

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

axle 1 : reference axle: HENDRICKSONAANL230  
 test report : ATPR0185  
 axle 2 : reference axle: HENDRICKSONAANL230  
 test report : ATPR0185  
 axle 3 : reference axle: HENDRICKSONAANL230  
 test report : ATPR0185

brake lining: WABCO 230  
 date : 02.03.2017  
 brake lining: WABCO 230  
 date : 02.03.2017  
 brake lining: WABCO 230  
 date : 02.03.2017

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 = 18.7 % Fe
axle 2	(rdyn 421 mm)	T = 18.7 % Fe
axle 3	(rdyn 421 mm)	T = 18.7 % Fe

calculated actuator stroke in mm

(item 4.3.1.1 of appendix 2 to annex 11)

axle 1	(sp = 56 mm)	s = 48 mm
axle 2	(sp = 56 mm)	s = 48 mm
axle 3	(sp = 56 mm)	s = 48 mm

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

axle1	ThA = 4886 N
axle2	ThA = 4886 N
axle3	ThA = 4886 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 = 30097 N
axle 2	(rdyn 421 mm)	T = 30097 N
axle 3	(rdyn 421 mm)	T = 30097 N

basic test type III  
 of subject (calculated)  
 trailer (E) residual

braking rate of the vehicle  
 (item 4.3.2 to annex 11) 0.60 (hot)braking 0.48

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 = 30097 N
axle 2	(rdyn 421 mm)	T = 30097 N
axle 3	(rdyn 421 mm)	T = 30097 N

basic test type III  
 of subject (calculated)  
 trailer (E) residual

braking rate of the vehicle  
 (item 4.3.2 to annex 11) 0.60 (hot)braking 0.48

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 1	axle 2
no of TRISTOP-actuators per axle	2	2
TRISTOP-actuator type	T.14/16	T.14/16
lever length	69	69
stat. tyre radius	401	401
at a stroke of	30	30
min. force of spring brake	6160	6160
sp.brake chamber no Meritor.....	4	4
release pressure	4.8	4.8
	pls in bar	

Calculation:

```

ratio until road          4.0466      4.0466
iFb = lBh*Eta+C*rBt/(rBn*rstat)
for rstat in mm          401
brake force of spring br. TF in N    49151      49151
TF = (TFZ*KDZ-2*Co/lBh)*iFb
braking rate              zf laden      0.536
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 fulfill the regulations

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

```

min Ef = 5298 mm      for E = 6900 mm
=====
min Ef = 5367 mm      for E = 7000 mm
=====
    
```

min Ef = minimum distance between front axle(s) (trailer) or support (semitrailer)  
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 = 2032 mm height of center of gravity - laden
PR = 19050 kg maximum bogie mass - laden
P = 35000 kg maximum total mass - laden
nf = 2 no. of axle(s) with TRISTOP spring brake actuators
ng = 3 no. of bogie axle(s)
    
```



axle manufacturer  
 type of brake  
 type of axle

axle 1 + 2 + 3  
 HENDRICKSON  
 SBW 1937  
 AANL230  
 ATPR0185  
 AT0185

test report of characteristic value

adm. stat. axle load  
 tested axle load  
 max. adm. tyre radius  
 adm. cam. torque (6,5 bar)  
 lining area per brake  
 no. of brake cylinder  
 brakefactor (SB) Bf  
 brakefactor (PB) Bf  
 threshold torque (Co,dec)

Pstat in kg 9000  
 Pe in kg 10200  
 Rezul in mm 999  
 Czul in Nm 640  
 AB in cm<sup>2</sup> 292  
 - - 2  
 - 23.49  
 - 23.49  
 Mo in Nm 6

date  
 brake lining  
 cam torque  
 brake force  
 stroke  
 tested tyre radius  
 tested lever length  
 threshold torque (Co,e)

02.03.2017  
 WABCO 230  
 Ce in Nm 638  
 TeIII in dan 4649  
 seIII in mm 48  
 Re in mm 520  
 le in mm 69  
 in Nm 5

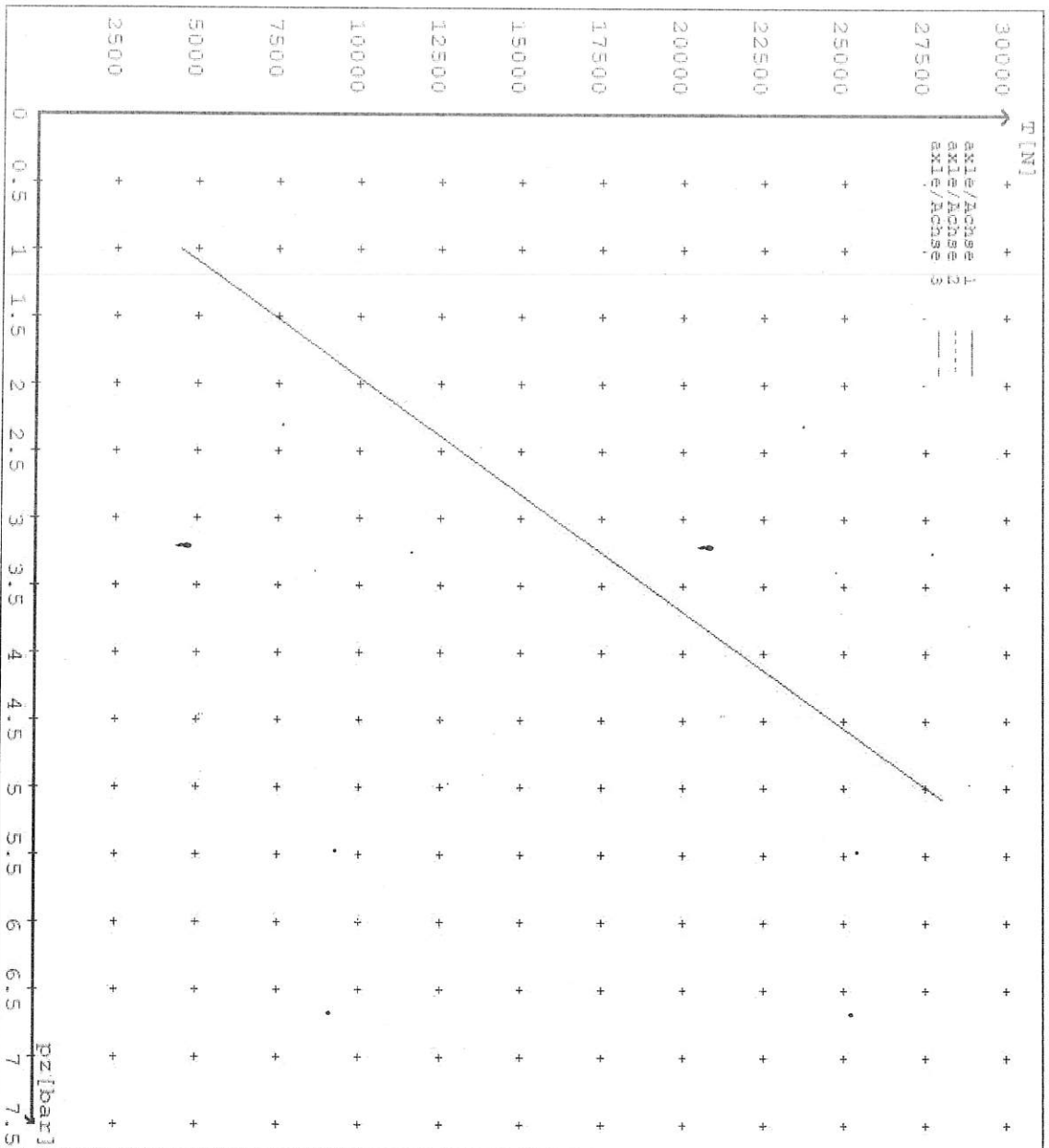
reference values

reference values for z = 45% for max rdyn: 421 mm

	pz [bar]	T [N]	T [N]
axle 1	1.0		4434 28028
axle 2	1.0		4434 28028
axle 3	1.0 5.1		4434 28028

VIN - no.:

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





## **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 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 4.7.4) NZTA Helpdesk 0800 699 000**



## **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.

A handwritten signature in black ink, appearing to read 'JEH HVEK', written over a horizontal line.

JE 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.

  
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 3110  
**FLEET:** SINGH CARRIERS

**VEHICLE DETAILS**

**VEHICLE TYPE:** 3ASBTF CURTAINSIDE **CERT #:** JH220413  
**YEAR:** 2022 **CALCULATION #:** TP52489  
**MAKE:** DOMETT **REGO #:** N/A  
**MODEL:** C2003 PH **LT400 #:** 830400  
**CHASSIS #:** 2206 **ORDER #:** 8943

**VIN #:** 7A9C20033N2023206  
**GVM: t** 33 **PRIME MOVER:** EBS / EUROPEAN  
**LOAD CONFIGURATION:** MIXED FREIGHT

**GROUP RATINGS: t**

	FRONT	REAR
WHEEL BASE: m	14	19

**UNLADEN COG m**

	FRONT	REAR	TOTAL
COG: m	2.032	4.35	6.1
TARE: t	1.75	4.35	6.1

**TYRE SIZE:** 285 70 R19.5

	FRONT	REAR	TOTAL
ROLLING CIRCUMFERENCE: mm	2645	2645	5290
AXLE SPACING: m	3	3	6

**MAX HEIGHT m**

	FRONT	REAR	TOTAL
MAX HEIGHT m	0.912	4.3	5.212

**BRAKE & AXLE DETAILS**

	MAKE	MODEL	TEST REPORT
AXLE:	HENDRICKSON	HND-PAN 19 DISC	ATPR0185
STEER AXLE[S]:	NO	POLE WHEEL:	100
LINING MATERIAL:	↓ WABCO 230	BRAKE FACTOR:	23.49
SENSED AXLES:	# 2	NOTES:	
SERIAL NUMBERS:	1	N/A	AANL23K
	2	N/A	AANL23K
	3	N/A	AANL23K
	4	N/A	N/A

**CHAMBER AND VALVING DETAILS**

	AXLE 1 & 2	AXLE 3
CHAMBERS:	↑ TSE_CHAMBERS	TSE_CHAMBERS
BRAND:	1416HTLD	14HSCLD
SIZE:	64	64
STROKE: mm	BC0143.0	BZ 122.1 Sep '00
TEST REPORT #:	6.16	N/A
SPRINGBRAKE FORCE: kN	4.8	N/A
HOLDOFF PRESSURE: Bar	WABCO PAN19	WABCO PAN19
FOUNDATION BRAKE:	69	69
LEVER LENGTH: mm		

	MAKE:	PART NUMBER:	PMI PRESS. kPa
BRAKE VALVES:			
ECU PART #:	WABCO	480 102 08. 0 (MV)	80 kPa
3RD MODULATOR #:	N/A	N/A	N/A
ANTI-COMPOUNDING:	YES		
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
- SUBSYSTEMS:  SMARTBOARD  OPTI-LINK  CAN ROUTER 446 122 050 0
- ELEX 446 122 070 0  TAILGUARD

**SUSPENSION**

SUSPENSION TYPE:	<input type="text" value="REAR"/>
MAKE:	<input type="text" value="PNEUMATIC"/>
MODEL:	<input type="text" value="HENDRICKSON_AIR"/>
BELLOW SIZE:	<input type="text" value="HENDRICKSON_INTRAX"/>
HEIGHT CONTROL VALVE:	<input type="text" value="ZMD SHOCKLESS"/>
OTHER VALVES:	<input type="text" value="HALDEX 90554950"/>
RIDE HEIGHT mm :	<input type="text" value="N/A"/>
HANGER HEIGHT mm :	<input type="text" value="230"/>
PEDESTAL HEIGHT mm :	<input type="text" value="114"/>
LIFTAXLE:	<input type="text" value="60"/>
DUMP SWITCH:	<input type="text" value="N/A"/>
LIFTAXLE VALVE:	<input type="text" value="N/A"/>

**AIR TANKS**

AIR TANKS STANDARD:	<input type="text" value="SAE J10A / EN286-2"/>
BRAKE TANK SIZE: L	<input type="text" value="REAR"/>
AUXILIARY TANK SIZE: L	<input type="text" value="46 + 25"/>
PRESSURE PROTECTION:	<input type="text" value="46"/>
	<input type="text" value="WABCO PEM: 461 513 002 0"/>

**AIR LINES**

TEST POINTS:	<input type="text"/>
CONTROL LINE:	<input type="text" value="X 1"/>
FIXED AXLE CHAMBERS:	<input type="text" value="X 2"/>
STEER AXLE CHAMBERS:	<input type="text" value="N/A"/>
DUOMATIC COLOUR CODED:	<input type="text" value="YES"/>
TANK:	<input type="text" value="X 1"/>



**ELECTRONIC HEIGHT SENSOR CALIBRATION**

	TIMER TICKS [F/R]	MILLIMETRE mm [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:	<input checked="" type="checkbox"/>	VALVE MOUNTING:	<input checked="" type="checkbox"/>
ECU BLANKING PLUGS CHECKED:	<input checked="" type="checkbox"/>	DUOMATIC DRILLED:	<input checked="" type="checkbox"/>
RESPONSE TIME:	MODULATOR 2.1	MODULATOR 2.2	RELAY VALVE
ms:	210	220	N/A

**NOTES AND SPECIAL CONDITIONS**

FILES RECEIVED: 25.2.22

FINALISE PAPERWORK & SEND TO CJC: 14.04.2022

REASON FOR CERTIFICATION: NEW TRAILER BUILD

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: 05/07/2022

SIGNED:

CERTIFIER NAME & ID:	CHRIS CLARKE	CJC
SODC BY:	JOHN HIRST	JEH

PHONE (BUS):

09-980-7300

FAX:

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