

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

CHRIS CLARKE

ID

CJC

Plate number (optional)

VIN/chassis number
7A9E20013N2023228

Make

DOMETT

Component being certified:

Chassis

Load anchorage

Model (optional)

E2001 PH

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

Code/standard/rule certified to

LTR 32015/5

Component load rating(s)

32 Tonnes GVM

General drawing number(s)

N/A

16 Tonne (Front brake mass)
19 Tonne (Rear brake mass)

Supporting documents

BRAKE RULE CERTIFICATE

JH221203

BRAKE CALCULATION #

TP52526

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)

Designer's ID (if different from inspector below)

JOHN HIRST

JEH

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 components 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 signature



JEH

Inspector's name (PRINT IN CAPS)

CHRIS CLARKE

ID number

494

Date

12.12.2022

Number

849437

CoF vehicle inspector ID (if applicable)

CoF vehicle inspector signature (if applicable)

Date

All fields are mandatory unless otherwise stated.

WABCO START-UP LOG

System	Trailer EBS-E	WABCO part number	480 102 080 0
Production date	2022-11-18	Serial number	897042798400C
Serial number (modulator)	000000564523		
Fingerprint Customer EOL / Customer Development / Flash Program	W503643 / 2022-12-12 ; 00000000 / 0000-00-00 ; 00000000 / 0000-00-00		

WABCO

TRAILER EBS-E

GGVSIADR TUEH TB 2007 - 019.00
TDB0749

HERSTELLER MANUFACTURER CONSTRUCTEUR	DOMETT TRAILERS		
VEHICLE IDENT. NUMBER TYPE	5AFT CURTAIN SIDE		
CHASSIS NUMBER NUMERO DE CHASSIS	7A9E20013N2023228		
BREMSENRECHNUNGS-NR. BRAKE CALCULATION NO.	TP52526A		
POLADZAHNZEICHNUNG POLA WHEEL TEETH CD I-EL	90	90	ABS-System Systeme ABS
DENIS NODE DEVENEE CD I-EL			4S/3M
RSS RSS Zeilingsbeschreibung Monte Imprime	X		Leuchte Steuerung Kopplungs-Fahrzeug Systeme ABS Vehicule critique
Subsystems	SB	I/O	24N

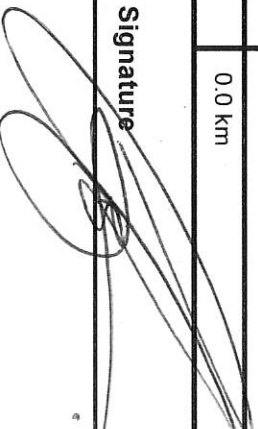
GIO	Pin1	Pin3	Pin4
1	---	---	---
2	---	---	---
3	ALS2	ALS2	---
4	---	---	---
5	DIAG	DIAG	DIAG
6	---	---	---
7	---	---	---

ACHSE RAIE ESSEU	pm (bar)	6.5	pm (bar)	0.7	2.0	---	6.5	pZ	TR (dan)	TR (dan)				
											1.0	Pz		
1	1550	0.7	2.0	8000	5.1	0.4	1.4	---	5.9	20	65	69	504	4287
2	1550	0.7	2.0	8000	5.1	0.4	1.4	---	5.9	-	65	69	504	4287
3	1300	0.5	1.7	6350	4.0	0.3	1.5	---	4.8	14 / 16	64	69	484	2870
4	1300	0.5	1.7	6350	4.0	0.3	1.5	---	4.8	14 / 16	64	69	484	2870
5	1300	0.5	1.7	6350	4.0	0.3	1.5	---	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.	7A9E20013N2023228
Vehicle type	5AFT CURTAIN SIDE	Odometer reading	0.0 km
Next service	0 km	Trip reading	0.0 km
Tester	Chris Clarke	Signature 	
Date	2022-12-12 8:26:01 am		

distribution: DOMETT TRAILERS
 7A9E20013N2023228
 SODC: JH221203
 LT400: CJC 849437

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 recommend to do a braking harmonisation!
 WABCO/Brake V6.18.07.12 db 31.08.2018

vehicle manufacturer: DOMETT TRAILERS
 trailer model : 5AFT CURTAIN SIDE
 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,

		unladen		laden	
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	7450	7550	
centre of gravity height	h	in mm	1016	2100	

	axle 1	axle 2	axle 3	axle 4	axle 5
no. of combined axles	1	1	1	1	1
no. of brake chambers per axle line	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	69	69	69	69	69
brake factor	23.03	23.03	23.03	23.03	23.03
dyn. rolling radius	421	421	421	421	421
dyn. rolling radius	rdyn min in mm	rdyn min in mm	rdyn min in mm	rdyn min in mm	rdyn min in mm
threshold torque	Co	Nm	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	5.9	5.9	4.8	4.8	4.8
piston force	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 incl. 1 % rolling resistance	22.3	22.3	18.5	18.5	18.5
proportion	%				

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
EBS relay valve or 480 207 2.. 0

brake cylinder: Meritor 20HSCLD65

axle 2:

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

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

brake cylinder: Meritor 20HSCLD65

axle 3:

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

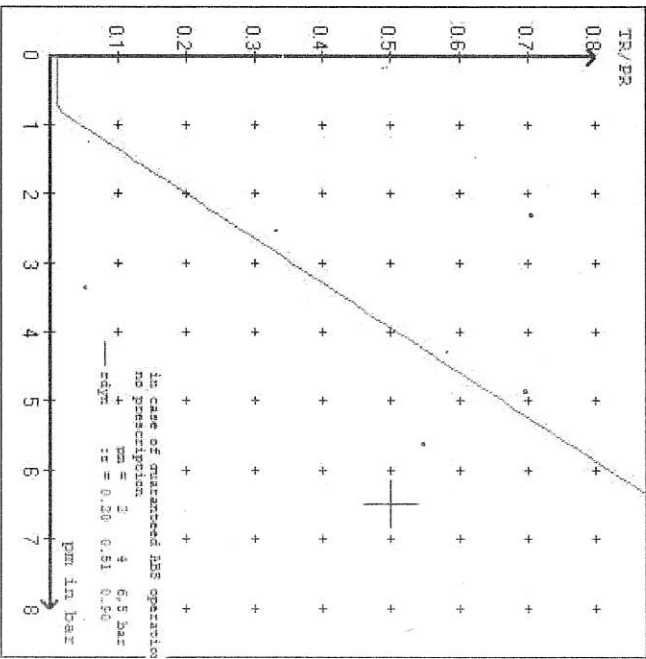
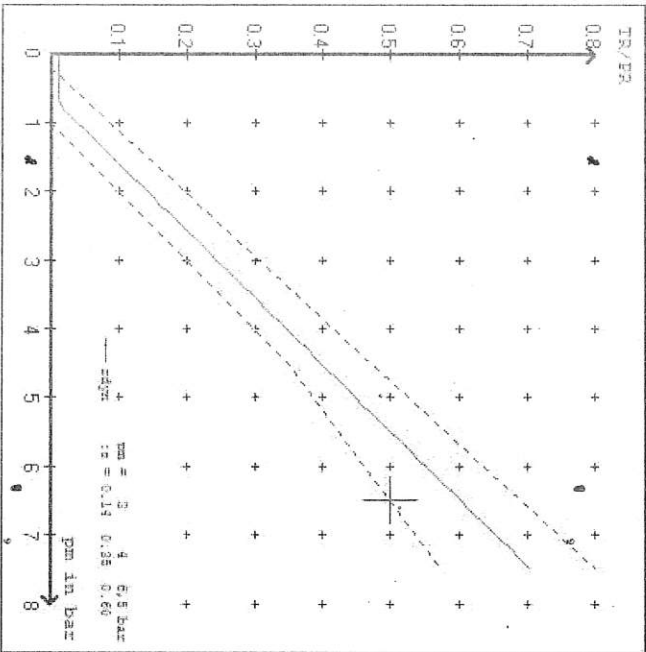
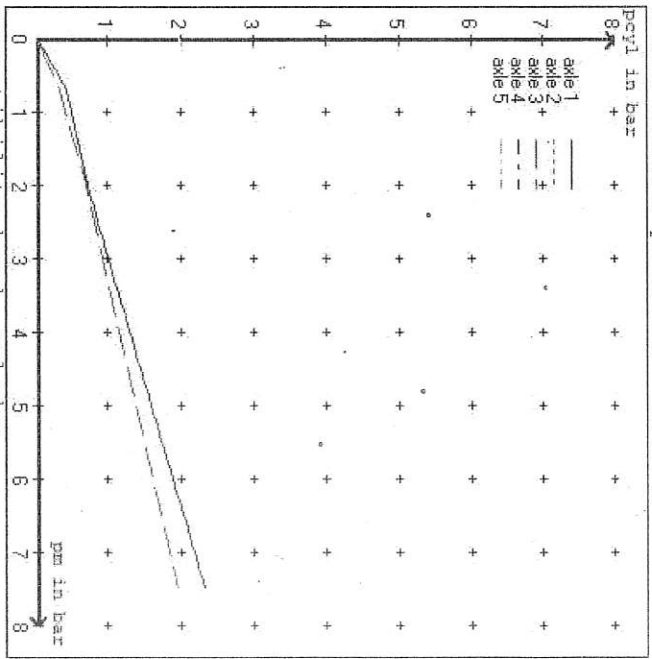
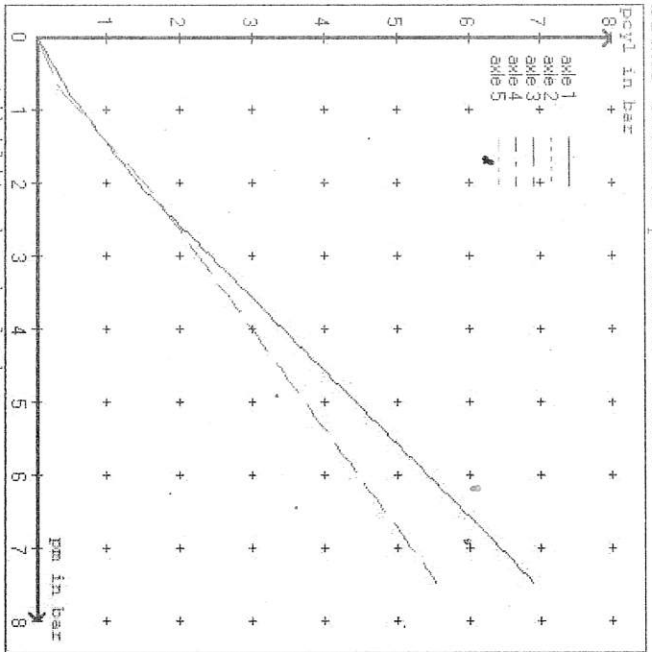
valve 2: 480 102 ... 0 WABCO
EBS trailer modulator

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

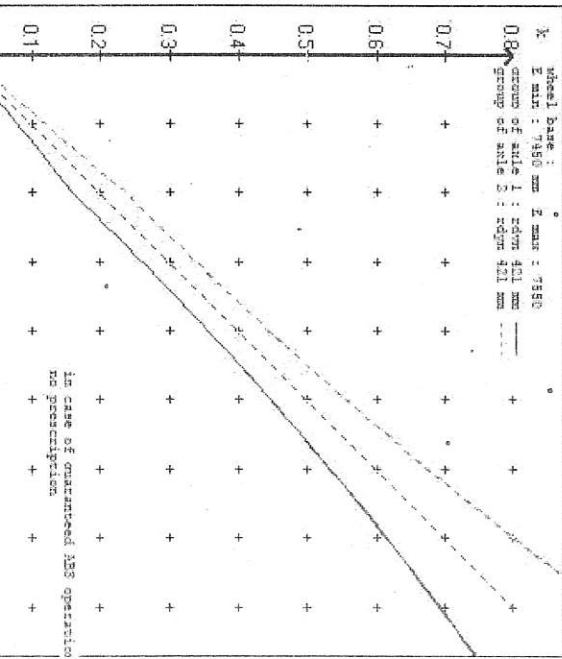
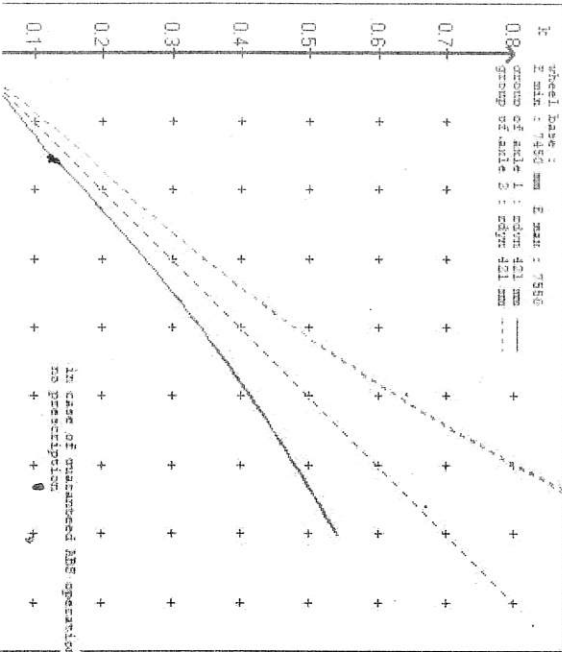
axle 5:
 valve 1: 971 002 ... 0 WABCO
 EBS emergency valve
 valve 2: 480 102 ... 0 WABCO
 EBS trailer modulator
 brake cylinder: Meritor 14HSCLD64

test type III (ZIII = 0.30) for rdyn min : axle1 axle2 axle3 axle4 axle5
 at pm 3.5 bar => pcha in bar : 2.9 2.9 2.6 2.6 2.6
 test type III (ZIII = 0.06) for rdyn min : axle1 axle2 axle3 axle4 axle5
 at pm 1.2 bar => pcha in bar : 0.8 0.8 0.8 0.8 0.8



curves of friction laden

curves of friction unladen



vehicle manufacturer: DOMETT TRAILERS
 trailer model : 5AFT CURTAIN SIDE
 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 CURTAIN SIDE
 trailer type : 5-axle-full-trailer
 brake calculation no. : TP 52526A

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

assignment pm / deceleration z: pm 0.7 bar z = 0.010
 *2.0 bar z = 0.142
 (laden condition) 6.5 bar z = 0.600

axle	control pressure pm		brake pr. unladen	axle load laden	control pressure pm		brake pr. laden	brake pr. laden
	axle load unladen	bellow pr. unladen			bellow pr. laden	brake pr. laden		
1	1550	to be	2.0	8000	to be	0.4	1.4	5.9
2	1550	entered by	2.0	8000	entered by	0.4	1.4	5.9
3	1300	the vehicle	1.7	6350	the vehicle	0.3	1.5	4.8
4	1300	manufact.	1.7	6350	manufact.	0.3	1.5	4.8
5	1300		1.7	6350		0.3	1.5	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	axle load	pcyl	axle load	pcyl	axle load	pcyl	axle load	pcyl
1550	2.0	1550	2.0	1300	1.7	1300	1.7	1300	1.7
2050	2.3	2050	2.3	1800	2.0	1800	2.0	1800	2.0
2550	2.6	2550	2.6	2300	2.3	2300	2.3	2300	2.3
3050	2.9	3050	2.9	2800	2.6	2800	2.6	2800	2.6
3550	3.2	3550	3.2	3300	2.9	3300	2.9	3300	2.9
4050	3.5	4050	3.5	3800	3.2	3800	3.2	3800	3.2
4550	3.8	4550	3.8	4300	3.5	4300	3.5	4300	3.5
5050	4.1	5050	4.1	4800	3.8	4800	3.8	4800	3.8

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 = 24.2 % Fe
axle 2	(rdyn 421 mm)	T = 24.2 % 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 type III
 of subject (calculated)
 trailer (E) residual

braking rate of the vehicle (hot)braking
 (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 type III
 of subject (calculated)
 trailer (E) residual

braking rate of the vehicle (hot)braking

spring parking brake

no of TRISTOP-actuators per axle line KDZ
 TRISTOP-actuator type
 lever length
 stat. tyre radius
 at a stroke of
 min. force of spring brake
 sp.brake chamber no Meritor.....
 release pressure

	axle 3	axle 4
	2	2
	T.14/16	T.14/16
	69	69
	401	401
	30	30
	6160	6160
	4	4
	4.8	4.8

calculation:

ratio until road
 $iFb = lBh * \eta + C * rBt / (rBn * rstat)$
 for rstat in mm
 brake force of spring br. Tf in N
 $Tf = (TFZ * KDZ - 2 * Co / lBh) * iFb$
 braking rate
 $zf = \text{sum}(Tf) / P + 0,01$
 zf laden 0.290

Test of the frictional connection required by the parking brake

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

$\text{min Ef} = E * (1 - PR/P + zferf * h/E) / (1 - zferf / (fzul * nf/ng))$
 min Ef = 5704 mm for E = 7450 mm
 min Ef = 5773 mm for E = 7550 mm

min Ef = 4 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 = 2100 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)

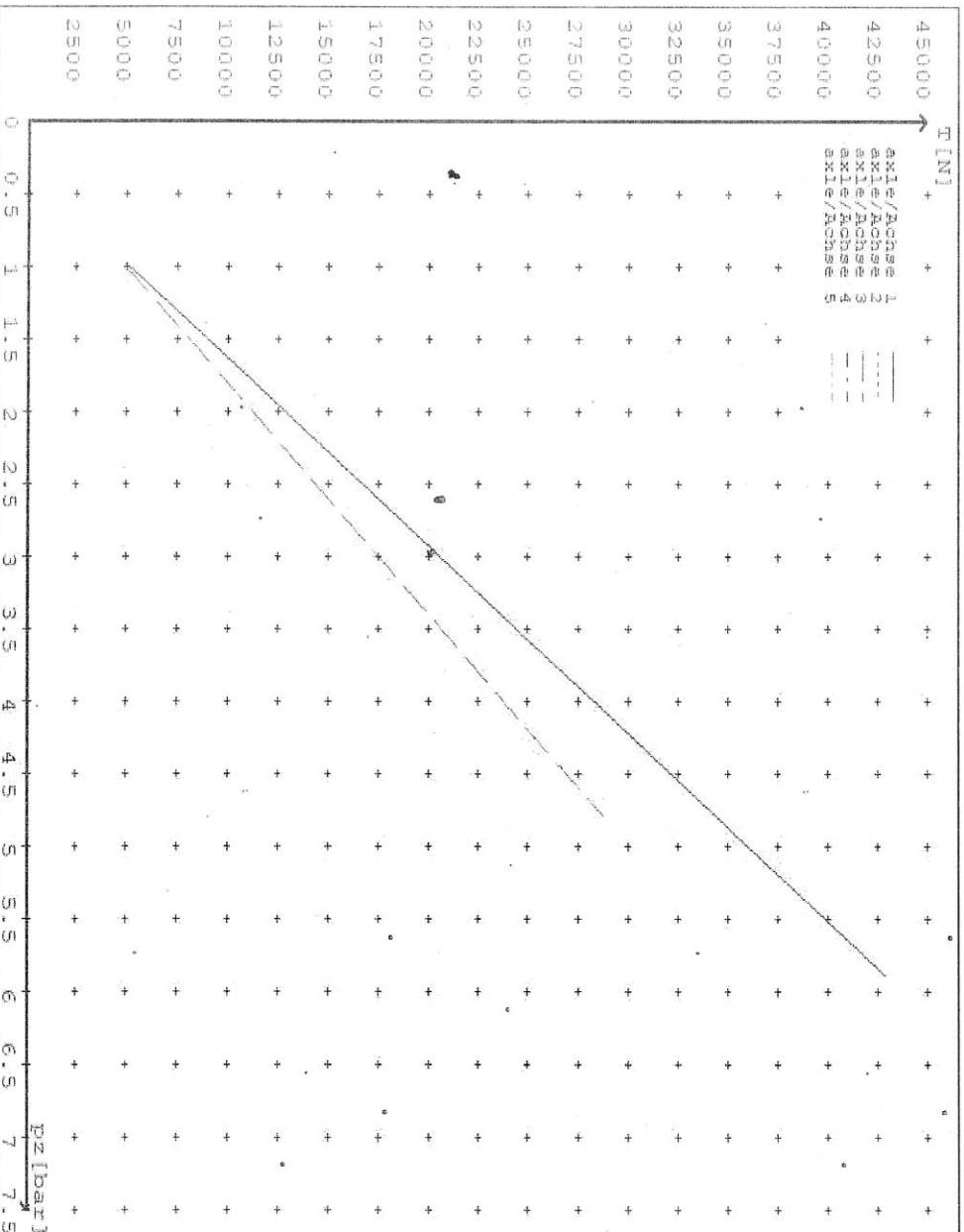
reference values

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)	20./	20./	T.14/24	T.14/24	14./	
Bremszylinder Typ (Betrieb / Fest)	65	65	64	64	64	
Maximum stroke smax = ...mm						
maximaler Hub smax = ...mm						
Lever length = ...mm	69.08	69.08	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.

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.

EXCEPT FROM LAND TRANSPORT RULE; HEAVY-VEHICLE BRAKES RULE 32015.

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 Agency if dissatisfied with a Compliance issue. (Refer NZTA Notice Of Appointment Para 47.4) NZTA Helpdesk 0800 108 809

(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, 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.

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.

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.

A handwritten signature in black ink, appearing to read 'J E Hirst', located above the typed name.

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



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

CLIENT

MANUFACTURER: DOMETT TRAILERS
ADDRESS: TAURIKURA DRIVE, TAURANGA 3110
FLEET: T R GROUP

VEHICLE DETAILS

VEHICLE TYPE: SAFT CURTAINSIDE **CERT #:** JH221203
YEAR: 2022 **CALCULATION #:** TP52526
MAKE: DOMETT **REGO #:** N/A
MODEL: E2001 PH **LT400 #:** 849437
CHASSIS #: 2228 **ORDER #:** 9103
VIN #: 7A9E20013N2023228

GVM: t 32 **PRIME MOVER:** UNKNOWN

LOAD CONFIGURATION: MIXED FREIGHT

GROUP RATINGS: t

FRONT	REAR
16	19
7.5	

WHEEL BASE: m

UNLADEN COG m	MAX HEIGHT m	HEIGHT DECK m
1.016	4.3	1.09
2.073		

COG: m

FRONT	REAR	TOTAL
3.1	4	7.1
265 70 R19.5	265 70 R19.5	
2645	2645	
1.31	2.6	

TARE: t

TYRE SIZE:

ROLLING CIRCUMFERENCE: mm

AXLE SPACING: m

BRAKE & AXLE DETAILS

	MAKE	MODEL	TEST REPORT
AXLE:	SAF	SAF-Z19W	TD80749
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	N/A	SAF NG-1U25
	2	N/A	SAF NG-1U25
	3	N/A	SAF NG-1U25
	4	N/A	SAF NG-1U25
	5	N/A	SAF NG-1U25

CHAMBER AND VALVING DETAILS

	AXLE 1 & 2	AXLE 3 & 4	AXLE 5
CHAMBERS:	TSE_CHAMBERS	TSE_CHAMBERS	TSE_CHAMBERS
BRAND:	20HSCLD	1416HTLD	14HSCLD
SIZE:	65	64	64
STROKE: mm	BC 0041.0 Jul '07	BC0143.0	BZ 122.1 Sep '00
TEST REPORT #:	N/A	6.16	N/A
SPRINGBRAKE FORCE: kN	N/A	4.8	N/A
HOLDOFF PRESSURE: Bar	WABCO PAN19	WABCO PAN19	WABCO PAN19
FOUNDATION BRAKE:	69	69	69
LEVER LENGTH: mm	MAKE:	PART NUMBER:	PMI PRESS: kPa
BRAKE VALVES:	WABCO	480 102 08.0 (MV)	70 kPa
ECU PART #:	WABCO	480 207 202 0 (12V)	70 kPa
3RD MODULATOR #:	WABCO	YES	
ANTI-COMPOUNDING:	WABCO_PREV	971 002 900 0	
SPRING BRAKE RELAY:	WABCO-PREV	971 002 900 0	
YARD RELEASE VALVE:	N/A	N/A	

ECU DIRECTION: FRONT REAR FRONT FRICTION: μ 0.48

SUBSYSTEMS: SMARTBOARD OPTI-LINK CAN ROUTER 446 122 050 0
 ELEX 446 122 070 0 TAILGUARD

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:	HALDEX 90554950	HALDEX 90554950
OTHER VALVES:	N/A	N/A
RIDE HEIGHT mm :	260	260
HANGER HEIGHT mm :	200	200
PEDESTAL HEIGHT mm :	5	5
LIFTAXLE:	N/A	N/A
TIPPING DUMP SWITCH:	N/A	N/A
LIFTAXLE VALVE:	N/A	N/A
PRESSURE LIMITING:	N/A	N/A

AIR TANKS

AIR TANKS STANDARD:	SAE J10A / EN286-2.	
	FRONT	REAR
BRAKE TANK SIZE: L	46	46 + 25
AUXILIARY 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:

NOTES AND SPECIAL CONDITIONS

FILES RECEIVED: 26.08.2022

FILES CREATED & SENT TO CJC: 09.12.2022

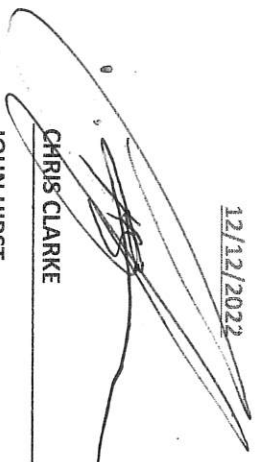
FILES RETURNED AS COMPLETE:

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, SCHEDULE 5.

DATE: 12/12/2022

SIGNED: 

CERTIFIER NAME & ID: CHRIS CLARKE CIC

SODC BY: JOHN HIRST JEH

PHONE (BUS): 09-980-7300

FAX:

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