

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

CHRIS CLARKE

ID

CJC

Plate number (optional)

VIN/chassis number

7A9E2001XN2023226

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.
5AFT 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

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

JH221204

BRAKE CALCULATION #

TP52130

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)

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)

JOHN HIRST

JEH

Inspector's signature

Inspector's name (PRINT IN CAPS)

ID number

Date

R.12.2022

Number

849436


CHRIS CLARKE

CJC

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	897042778000H
Serial number (modulator)	0000000564137		
Fingerprint Customer EOL / Customer Development / Flash Program	W503643 / 2022-12-12 ; 000000000 / 0000-00-00 ; 000000000 / 0000-00-00		

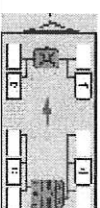
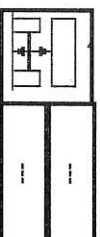
WABCO

TRAILER EBS-E

GGV/ADR TUEH TB 2007 - 019.00
TDB0749

HERSTELLER MANUFACTURER CONSTRUCTEUR	DOMETT TRAILERS		
TYPE	5AFT CURTAIN SIDE		
VEHICLE IDENT. NUMBER	7A9E2001XN2023226		
CHASSIS NUMBER NUMERO DE CHASSIS	TP52130A		
BREMSENRECHNUNGSNR. BRAKE CALCULATION NO. CALCUL. DE FREINAGE NO.	90	90	ABS-System ABS-System Systeme ABS
POLSAZAHNWEZAHL L-r-d-l-e-l POL'S WHEEL TEETH L-r-d-l-e-l DENTS ROUE DENTEL C-d-l-e-l	90	90	4S/3M
Einrichtung Simple Tire Simple Simple		Leitachse Steering Axle Système Wagon	
Zwangsberührung Même jumelle	X	Kopierisches Fahrzeug Vehicle critique	
Subsystems	SB	I/O	24N

GIO	Pin1	Pin3	Pin4
1	---	---	---
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	TR (bar)	TR (dan)	TR (dan)				
										1.0	Pz			
1	1600	0.7	1.6	8000	5.1	0.4	1.3	---	5.9	20	65	69	504	4287
2	1600	0.7	1.6	8000	5.1	0.4	1.3	---	5.9	20	65	69	504	4287
3	1300	0.5	1.3	6350	4.0	0.3	1.4	---	4.8	14 / 16	64	69	484	2870
4	1300	0.5	1.3	6350	4.0	0.3	1.4	---	4.8	14 / 16	64	69	484	2870
5	1300	0.5	1.3	6350	4.0	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.	7A9E2001XN2023226
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 7:54:06 am		

distribution: DOMETT TRAILERS
 7A9E2001XN2023226
 SODC: JH221204
 LT400: CJC 849436

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 commend to do a braking harmonisation!
 WABCO Brake V6 18.07.12 db 31.08.2018

vehicle manufacturer: DOMETT TRAILERS
 trailer model : SAFT 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		
axle 1	P1	in	kg	7100	35050
axle 2	P2	in	kg	1600	8000
axle 3	P3	in	kg	1600	8000
axle 4	P4	in	kg	1300	6350
axle 5	P5	in	kg	1300	6350
wheel base	E	in	mm	7650	
centre of gravity height	h	in	mm	1030	2100

	axle 1		axle 2		axle 3		axle 4		axle 5	
no. of combined axles	1	1	1	1	1	1	1	1	1	1
no. of brake chambers per axle line	2	2	2	2	2	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	BZ 122.1	BZ 122.1	BZ 122.1	BZ 122.1	BZ 122.1
brake chamber manufacturer	Meritor	Meritor	Meritor	Meritor	Meritor	Meritor	Meritor	Meritor	Meritor	Meritor
chamber size	20.	20.	T.14/24	T.14/24	T.14/24	T.14/24	T.14/24	T.14/24	T.14/24	14.
Lever length	69	69	69	69	69	69	69	69	69	69
brake factor	23.03	23.03	23.03	23.03	23.03	23.03	23.03	23.03	23.03	23.03
dyn. rolling radius	421	421	421	421	421	421	421	421	421	421
dyn. rolling radius	421	421	421	421	421	421	421	421	421	421
threshold torque	Co	Nm	6.0	6.0	6.0	6.0	6.0	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	bar		piston force	ThA at pm6,5bar	N		brake force(rdyn min)	T lad. at pm6,5bar	N		brake force(rdyn max)	T lad. at pm6,5bar	N		Brake force incl. 1 % rolling resistance	proportion	%	
	2.2	2.2	2.1	2.1	2.2	2.2	2.1	2.1	5.9	4.8	4.8	4.8	6825	4586	4586	51709	34623	34623	34623	51709	34623	34623	51709	34623	34623	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 20HSC1D65

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 20HSC1D65

axle 3:

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

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

brake cylinder: Meritor 1424HT1D64

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:

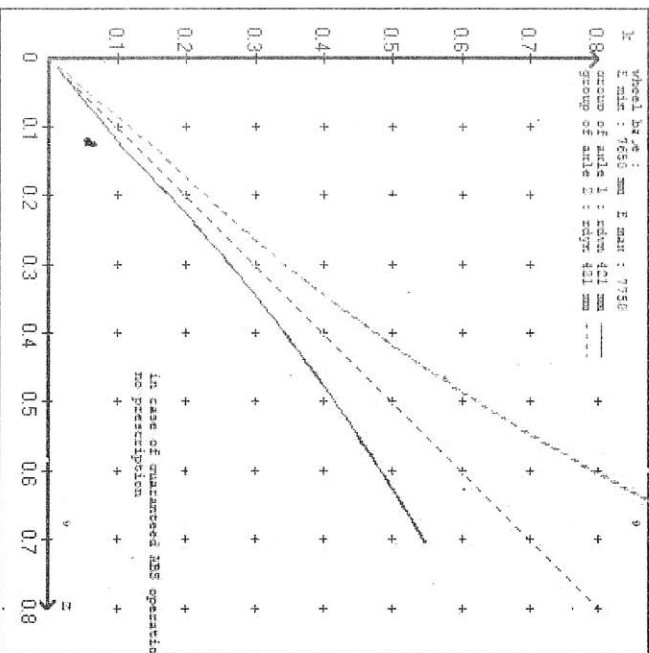
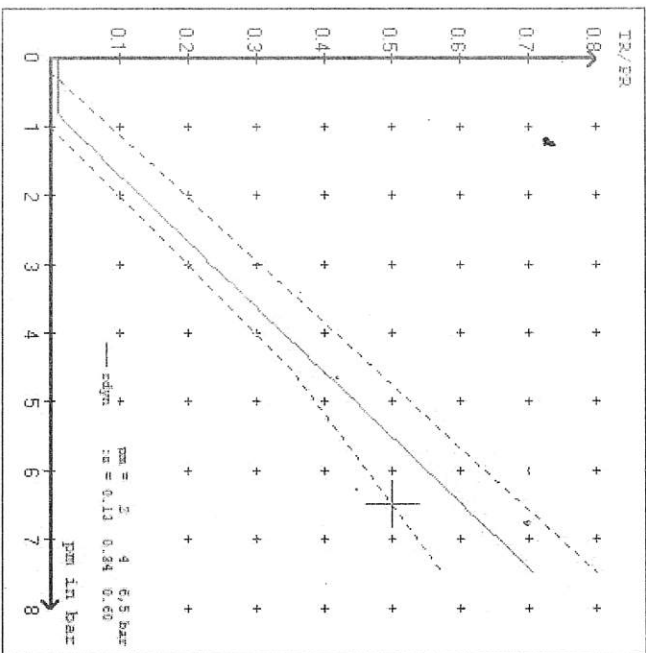
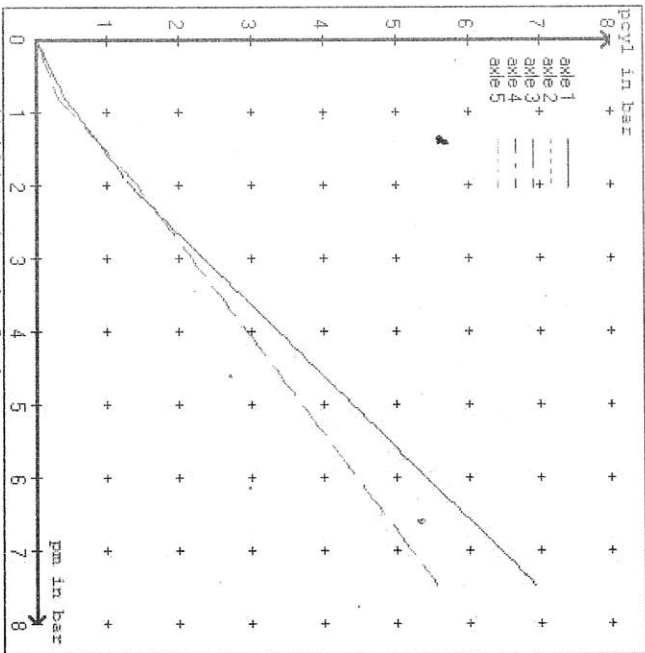
valve 1: 971 002 ... 0 WABCO
EBS emergency valve

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

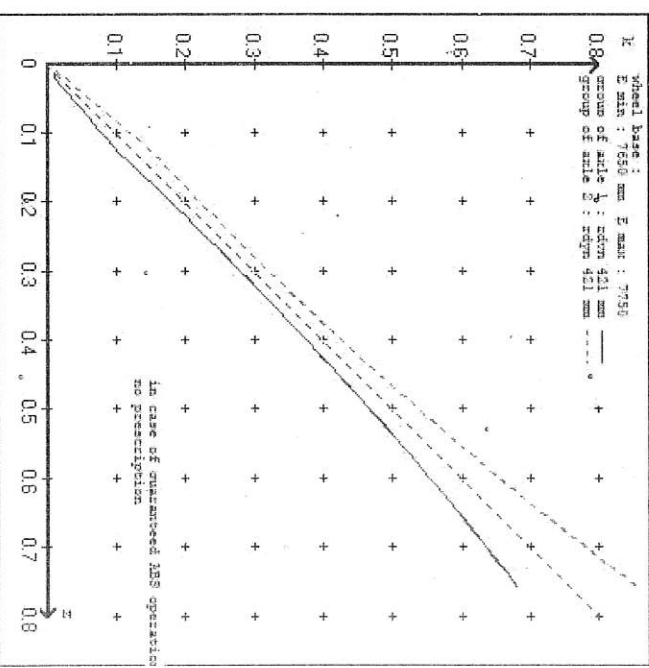
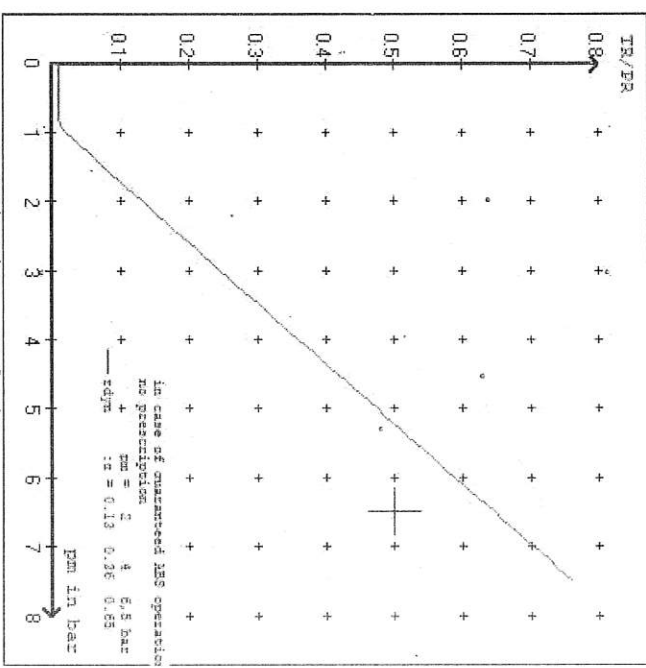
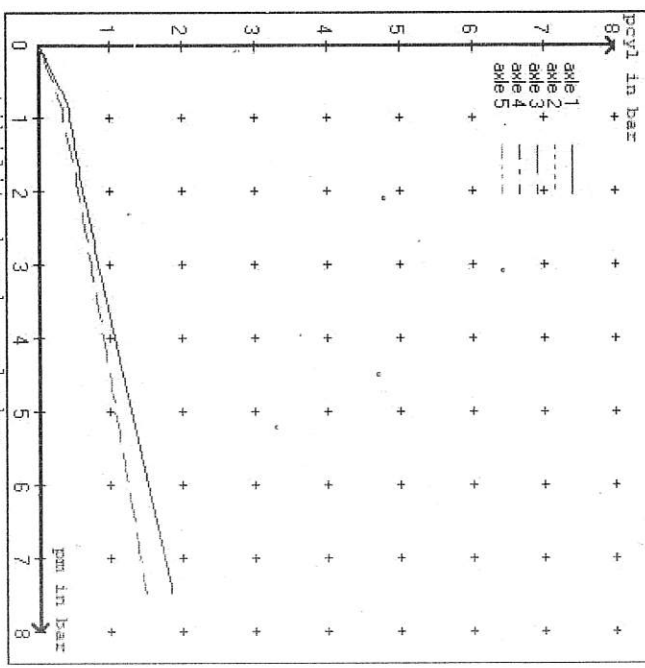
brake cylinder: Meritor 14HSCLD64

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



vehicle manufacturer: DOMETT TRAILERS
 trailer model : SAFT 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 : SAFT CURTAIN SIDE
 trailer type : 5-axle-full-trailer
 brake calculation no. : TP 52130A

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
 (Laden condition) 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	1600	to be	1.6	8000	to be	0.4	1.3	5.9
2	1600	entered by	1.6	8000	entered by	0.4	1.3	5.9
3	1300	the vehicle	1.3	6350	the vehicle	0.3	1.4	4.8
4	1300	manufact.	1.3	6350	manufact.	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	axle load	axle load	axle load	axle load
pcyl	pcyl	pcyl	pcyl	pcyl
1600	1600	1300	1300	1300
2100	2100	1800	1800	1800
2600	2600	2300	2300	2300
3100	3100	2800	2800	2800
3600	3600	3300	3300	3300
4100	4100	3800	3800	3800
4600	4600	4300	4300	4300
5100	5100	4800	4800	4800
8000	8000	6350	6350	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	date : 20130930 30.09.2013
axle 2 : reference axle: SAF	SBW 1937	brake lining: Jurid 539
test report :	TDB 0749	date : 20130930 30.09.2013
axle 3 : reference axle: SAF	SBW 1937	brake lining: Jurid 539
test report :	TDB 0749	date : 20130930 30.09.2013
axle 4 : reference axle: SAF	SBW 1937	brake lining: Jurid 539
test report :	TDB 0749	date : 20130930 30.09.2013
axle 5 : reference axle: SAF	SBW 1937	brake lining: Jurid 539
test report :	TDB 0749	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 type III
of subject (calculated)
trailer (E) residual

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

0.60 (hot)braking
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
(item 4.3.2 to appendix 2 to annex 11)

0.60 (hot)braking
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	2	2
TRISTOP-actuator type	T.14/16	T.14/16
lever length	69	69
stat. tyre radius	401	401
at a stroke of	S	in mm
min. force of spring brake	TFZ	in N
sp.brake chamber no Meritor.....	4	4
release pressure	4.5	4.5
	pls	in bar

calculation:

```

ratio until road          3.9674  3.9674
iFb = 1Bh*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/1Bh)*iFb
braking rate              zf lader*  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

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

```

min Ef = 5842 mm for E = 7650 mm
=====
min Ef = 5911 mm for E = 7750 mm
=====
    
```

min Ef = 4 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 = 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 5.9	5045 42876	
axle 2	1.0 5.9	5045 42876	
axle 3	1.0 4.8		4848 28709
axle 4	1.0 4.8		4848 28709
axle 5	1.0 4.8		4848 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)					
Maximum stroke smax = ...mm	65	65	64	64	64
Maximaler Hub smax = ...mm					
Lever lertfh = ...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.

EXCERPT 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



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.

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: HILTON HAULAGE

VEHICLE DETAILS

VEHICLE TYPE: SAFT CURTAINSIDE **CERT #:** JH221204
YEAR: 2022 **CALCULATION #:** TP52130
MAKE: DOMETT **REGO #:** N/A
MODEL: E2001 PH **LT400 #:** 849436
CHASSIS #: 2226 **ORDER #:** 9077
VIN #: 7A9E2001XN2023226

GVM: t 32 **PRIME MOVER:** EBS / EUROPEAN

LOAD CONFIGURATION: MIXED FREIGHT

GROUP RATINGS: t

FRONT	16	REAR	19
WHEEL BASE: m	7.69		

UNLADEN COG m	1.03	MAX HEIGHT m	4.3	HEIGHT DECK m	1.09
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COG: m	2.074				
TARE: t	FRONT 3.25	REAR 3.9	TOTAL 7.15		

TYRE SIZE:	FRONT 265 70 R19.5	REAR 265 70 R19.5
ROLLING CIRCUMFERENCE: mm	2645	2645

AXLE SPACING: m	1.31	2.51
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BRAKE & AXLE DETAILS

AXLE: MAKE SAF MODEL SAF-Z19W TEST REPORT 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	N/A	SAF NG-1U28
2	N/A	SAF NG-1U28
3	N/A	SAF NG-1U28
4	N/A	SAF NG-1U28
5	N/A	SAF NG-1U28

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: 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** 0.48

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

ELEX 446 122 070 0 TAILGUARD 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:	HALDEX 90554950	HALDEX 90554950
OTHER VALVES:	N/A	N/A
RIDE HEIGHT mm :	260	260
HANGER HEIGHT mm :	200	200
PEDESTAL HEIGHT mm :	50	50
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
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:

NOTES AND SPECIAL CONDITIONS

FILES RECEIVED: 21.09.2022

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:  CJC

SODC BY: JOHN HIRST JEH

PHONE (BUS): 09-980-7300

FAX:

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