

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

**CHRIS CLARKE**

ID

**CJC**

Plate number (optional)

VIN/chassis number

**7A9E20012N2023222**

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 32015/5: 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 JH2220630  
 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)

**Declaration**

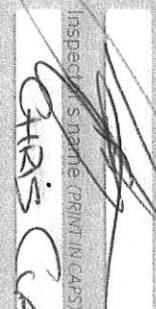
I the undersigned, declare that I am the heavy vehicle specialist inspector identified and I hold a current valid appointment. I certify that the above mentioned vehicle component's design, manufacture and installation, and this certification, complies in all respects with the Land Transport Rule: Vehicle 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's name)

**JOHN HIRST**

**JEH**

Inspector's signature



Inspector's name (PRINT IN CAPS)

**CHRIS CLARKE**

ID number

**CJC**

Date

**19.10.2022**

Number

**842417**

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	2022-09-08	Serial number	897042459700G
Serial number (modulator)	000000559900		
Fingerprint Customer EOL / Customer Development / Flash Program	W503643 / 2022-10-19 ; 00000000 / 0000-00-00 ; 00000000 / 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 CHASSIS NUMBER NUMERO DE CHASSIS	7A9E20012N2023222		
BREMSEBREMCHUNGS-NR. BRAKE CAL. CLARK NO. NUMERO DE CAL. CLARK	TP52526A		
POLENUMMER / WEHTE C-1 e-1 POLYMER / WEHTE C-1 e-1 DEUTS ROUE DEWTE C-1 e-1	90	90	4S/3M
RSS Single Tire Zweilagigebereiung Twin Tire Monte Jumele	X		
Einlenkerung Steering axle Ester vireur Kippmechanisches Fahrzeug Critical Trailer Vehicule critique			
Subsystems	SB	I/O	24N

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

ACHTER AXLE ESSIEU		6.5		2.0	2.0	6.5		20	20	65	65	69	504	504	TR (daN)		Pz
															1.0	Pz	
1		0.7	2.0	8000	5.1	0.4	1.4	---	5.9	-	20	65	504	504	4287	4287	
2		0.7	2.0	8000	5.1	0.4	1.4	---	5.9	-	20	65	504	504	4287	4287	
3		0.5	1.7	6350	4.0	0.3	1.5	---	4.8	-	14 / 16	64	69	484	484	2870	2870
4		0.5	1.7	6350	4.0	0.3	1.5	---	4.8	-	14 / 16	64	69	484	484	2870	2870
5		0.5	1.7	6350	4.0	0.3	1.5	---	4.8	-	14	64	69	484	484	2870	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.	7A9E20012N2023222
Vehicle type	5AFT CURTAIN SIDE	Odometer reading	0.0 km
Next service	0 km	Trip reading	0.0 km
Tester	Chris Clarke	Signature	
Date	2022-10-19 10:05:58 am		

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

distribution: DOMETT TRAILERS  
 7A9E20012N2023222  
 SODC: JH220630  
 LT400: CJC 842417

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!  
 WABCOBrake V6.18.07.12 dp 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,

	P	in	kg	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

	no. of combined axles				
	axle 1	axle 2	axle 3	axle 4	axle 5
no. of brake chambers per axle line	1	1	1	1	1
The power output corresponds to	RZ 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 max	in	mm	421	421
threshold torque	Co	Nm	6.0	6.0	6.0

Calculation:

	min)	pH at z=22,5%bar	min)	pH at z=22,5%bar	max)	pH at z=22,5%bar
chamber pressure	2.2	2.2	2.2	2.2	2.1	2.1
chamber pressure	2.2	2.2	2.2	2.2	2.1	2.1
chamber press.(servo)	5.9	5.9	5.9	4.8	4.8	4.8
piston force	6825	6825	4586	4586	4586	4586
brake force	51709	51709	34623	34623	34623	34623
brake force	51709	51709	34623	34623	34623	34623
Brake force incl. 1 % rolling resistance	22.3	22.3	18.5	18.5	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

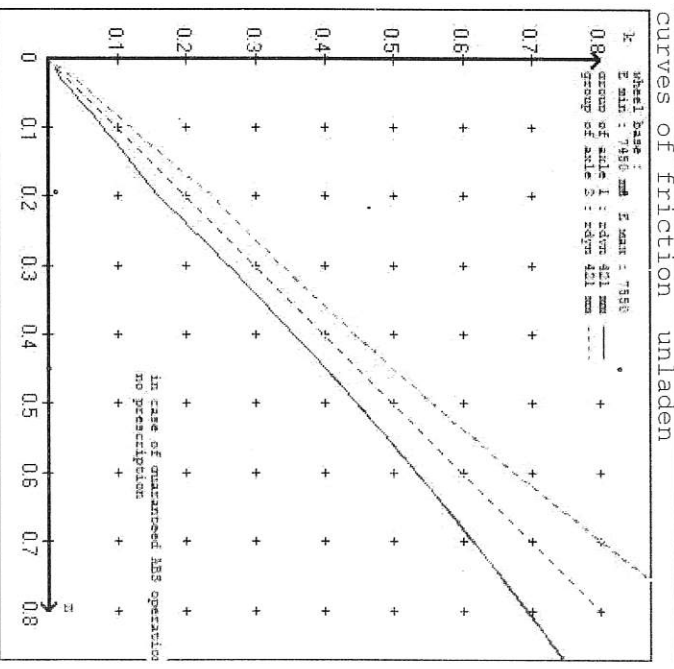
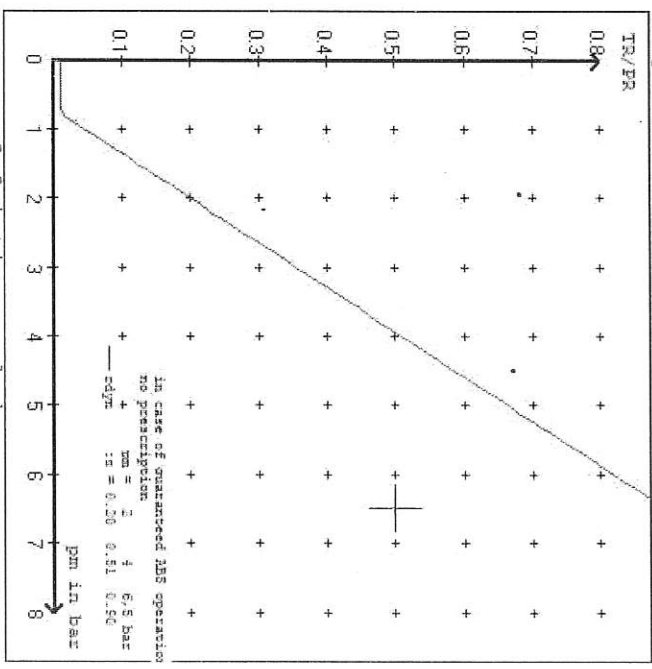
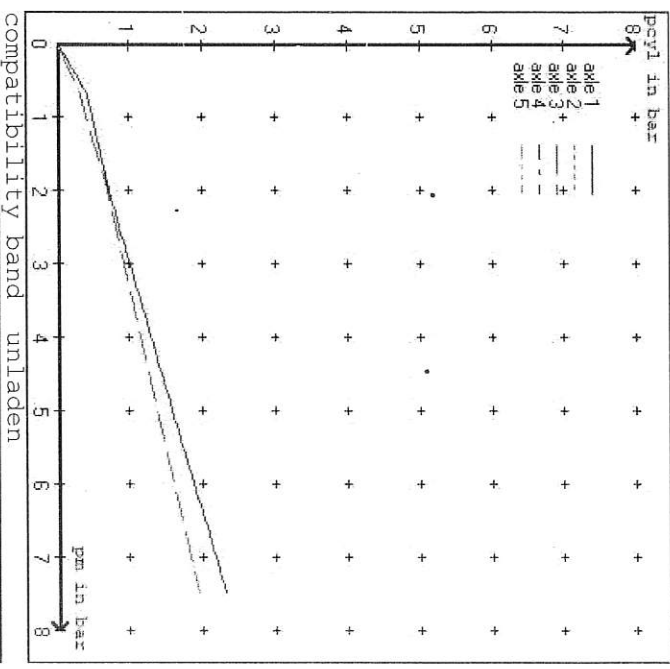
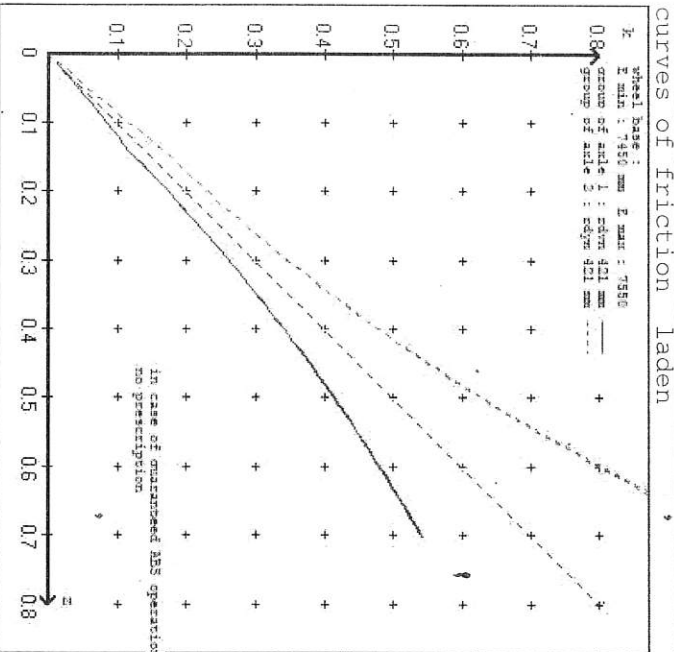
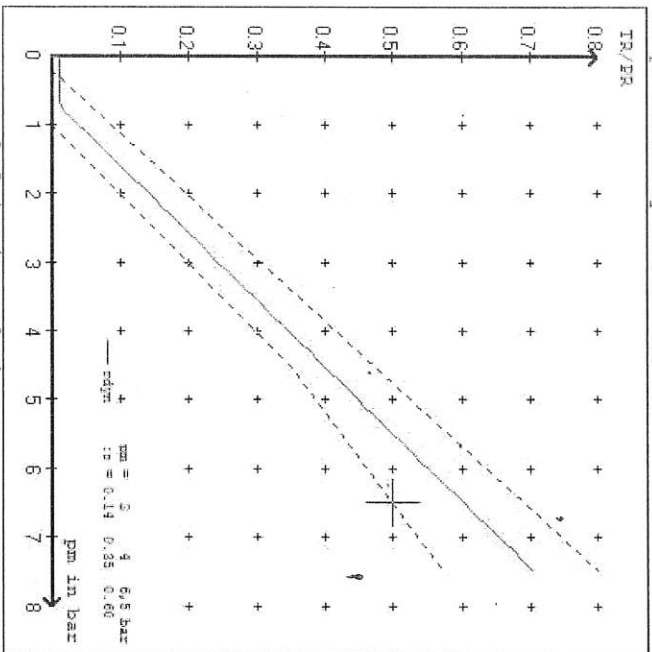
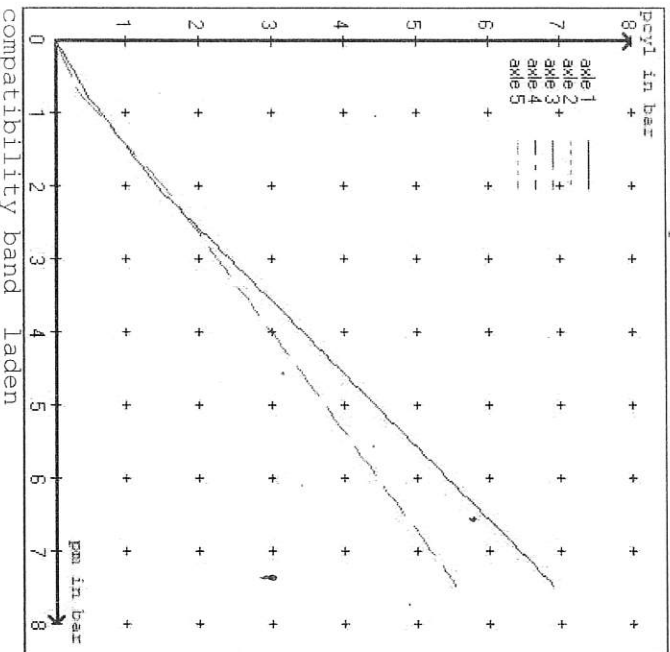
axle 5:

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 3.5 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



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 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  
 (Laden condition) 2.0 bar z = 0.142  
 6.5 bar z = 0.600

control pressure pm		control pressure pm		control pressure pm		control pressure pm	
axle	axle load unladen	bellow pr. unladen	brake pr. unladen	axle load laden	bellow pr. laden	brake pr. laden	
1	1550	to be	2.0	8000	to be	0.4	1.4
2	1550	entered by	2.0	8000	entered by	0.4	1.4
3	1300	the vehicle	1.7	6350	the vehicle	0.3	1.5
4	1300	manufact.	1.7	6350	manufact.	0.3	1.5
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
8000	5.9	8000	5.9	6350	4.8	6350	4.8	6350	4.8

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  
(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	69	69
stat. tyre radius	401	401
at a stroke of	30	30
min. force of spring brake	TFZ in N	6160
sp.brake chamber no Meritor.....	4	4
release pressure	4.8	4.8
	plus in bar	

calculation:

ratio until road	3.9674	3.9674
iFb = $1Bh \cdot \text{Eta} \cdot C \cdot rBt / (rBn \cdot rstat)$	401	401
for rstat in mm	48188	48188
brake force of spring br. TF in N		
TF = $(TFZ \cdot KDZ - 2 \cdot Co / 1Bh) \cdot iFb$		
braking rate	zF laden	0.290
zF = $\text{sum}(TF) / P + 0,01$		

Test of the frictional connection required by the parking brake

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

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

min Ef = 5704 mm	for E = 7450 mm
min Ef = 5773 mm	for E = 7550 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 = 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)

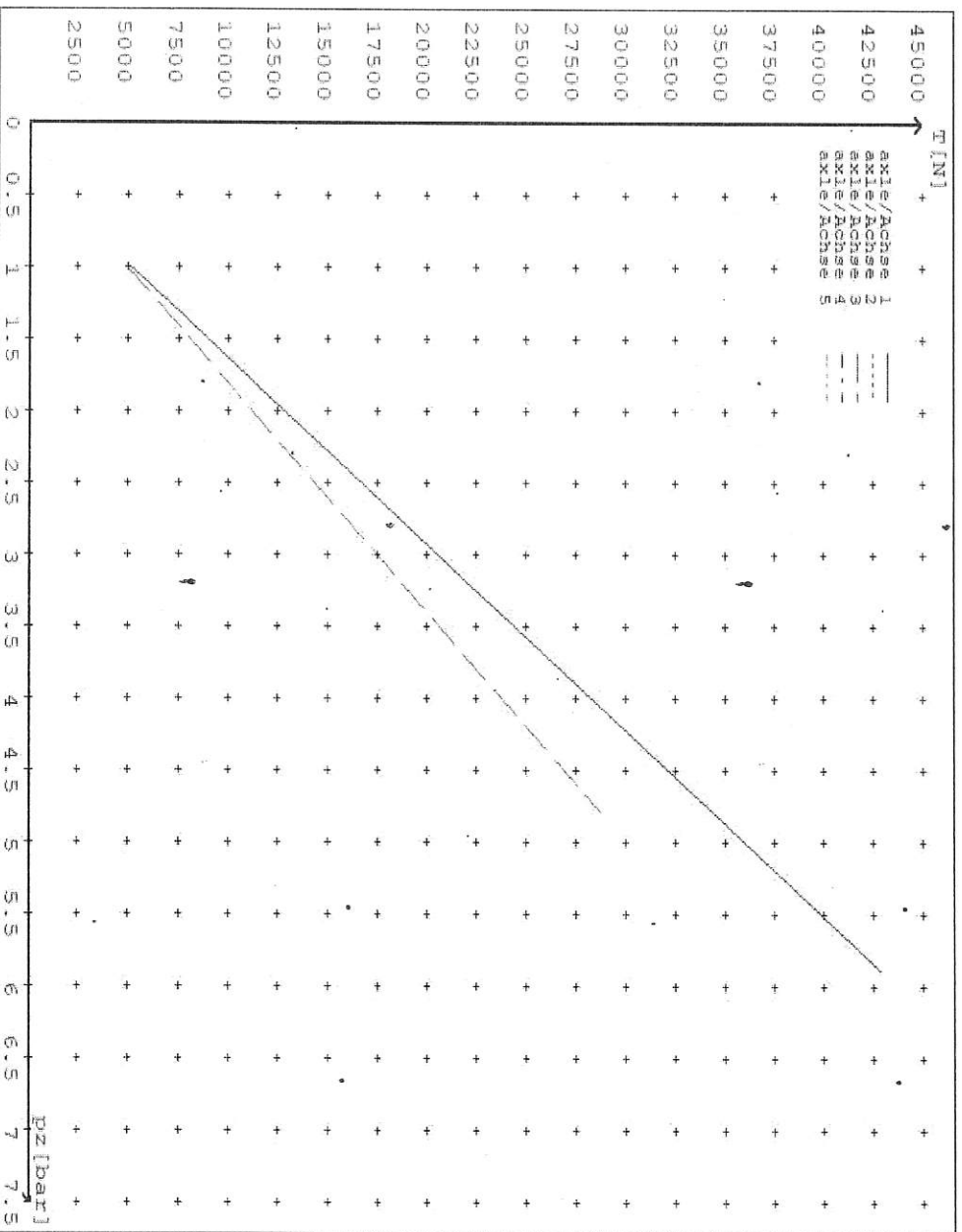
**reference values**

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)					
Maximum stroke smax = ...mm	65	65	64	64	64
maximaler Hub smax = ...mm					
Lever length = ...mm	69.08	69.08	69.08	69.08	69.08
Hebellänge = ...mm					





**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:** T R GROUP

**VEHICLE DETAILS**

**VEHICLE TYPE:** SAFT CURTAINSIDE **CERT #:** JH220630  
**YEAR:** 2022 **CALCULATION #:** TP52526  
**MAKE:** DOMETT **REGO #:** N/A  
**MODEL:** E2001 PH **LT400 #:**  
**CHASSIS #:** 2222 **ORDER #:** 9101  
**VIN #:** 7A9E20012N2023.222

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

**LOAD CONFIGURATION:** MIXED FREIGHT

**GROUP RATINGS: t**

<b>FRONT</b>	16	<b>REAR</b>	19
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**WHEEL BASE: m** 7.5

<b>UNLADEN COG m</b>	1.016	<b>MAX HEIGHT m</b>	4.3	<b>HEIGHT DECK m</b>	1.09
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**COG: m** 2.073

<b>FRONT</b>	3.1	<b>REAR</b>	4	<b>TOTAL</b>	7.1
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**TARE: t** 265 70 R19.5

**TYRE SIZE:** 2645

**ROLLING CIRCUMFERENCE: mm** 2645

**AXLE SPACING: m** 1.31

**BRAKE & AXLE DETAILS**

	MAKE	MODEL	TEST REPORT
AXLE:	SAF	SAF-Z19W	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-IU25
	2	N/A	SAF NG-IU25
	3	N/A	SAF NG-IU25
	4	N/A	SAF NG-IU25
	5	N/A	SAF NG-IU25

**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:	P/M PRESS. kPa

BRAKE VALVES:	WABCO	480 102 08.0 (MV)	70 kPa
ECU PART #:	WABCO	480 207 202 0 (12V)	70 kPa
3RD MODULATOR #:	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	
INLINE RELAY FITTED:	<input checked="" type="checkbox"/> FRONT	<input type="checkbox"/> REAR	FRONT FRICTION: $\mu$ . 0.48

SUBSYSTEMS:

SMARTBOARD   
 OPTI-LINK   
 CAN ROUTER 446 122 050 0

**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 <i>mm</i> :	260	260
HANGER HEIGHT <i>mm</i> :	200	200
PEDESTAL HEIGHT <i>mm</i> :	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:	<input checked="" type="checkbox"/>	VALVE MOUNTING:	<input checked="" type="checkbox"/>
ECU BLANKING PLUGS CHECKED:	<input checked="" type="checkbox"/>		
RESPONSE TIME:	MODULATOR 2.1	MODULATOR 2.2	RELAY VALVE
ms:	200	210	365

**NOTES AND SPECIAL CONDITIONS**

FILES RECEIVED: 16.06.2022

FILES CREATED & SENT TO CIC: 28.06.2022

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 COMPLES 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: 19/10/2022

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