

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

Plate number (optional) **7A9E38114M2023134** VIN/chassis number **7A9E38114M2023134**

Make **DOMETT** Component being certified: Chassis Load anchorage
 Model (optional) **E3811** 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 CHIPLINER **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 **LTR 32015/5** Component load rating(s)
 General drawing number(s) **N/A** **35 Tonnes GVM**
16 Tonne (Front brake mass)
19 Tonne (Rear brake mass)

Supporting documents
BRAKE RULE CERTIFICATE JH220332
BRAKE CALCULATION # TP52393

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 below) **JOHN HIRST JEH**
 Inspector's signature **JOHN HIRST**
 Inspector's name (PRINT IN CAPS) **CHRIS CLARKE** ID number **CJC**
 Date **01.06.2022** Number **819432**

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	2022-01-20	Serial number	897040909800N
Serial number (modulator)	000000546731		
Fingerprint Customer EOL / Customer Development / Flash Program	W503643 / 2022-04-01 ; 00000000 / 0000-00-00 ; 00000000 / 0000-00-00		

WABCO

TRAILER EBS-E

GGV/ADR TUEH TB 2007 - 019.00
361-071-04

HERSTELLER MANUFACTURER CONSTRUCTEUR	DOMETT TRAILERS		
TYPE	5AFT CHIPLINER		
VERBODI DEENT-NUMBER CHASSIS NUMBER	7A9E38114M2023134		
PREPARATIENUMMERS-NR. BRAKE CALCULATION NO. CALCUL DE FREINAGE NO.	TP52393A		
POLARIZATIEMETRIE cd / e1 POLE WHEEL YETHEM cd / e1 DENTS ROUE DEVENTE c-d / e1	90	90	ABS System ABS System Système ABS
Embolierbeurteilung Single Tire Monte Simple		Leuchtweite Eclairage avant	
Zwillingenbeurteilung Twin Tire Monte Jumele	X	Kopierkritisches Fahrzeug Critical Trailer Vehicule critique	
Subsystems	SB	I/O	24N

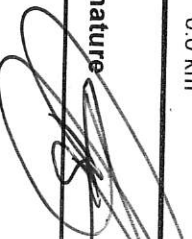
GIO	Pin1	Pin3	Pin4
1	---	---	---
2	---	---	---
3	ALS2	ALS2	---
4	---	---	---
5	DIAG	DIAG	DIAG
6	---	---	---
7	---	---	---

ACHSE AXLE ESSIEU	pm (bar)	pm (bar)	0.7	2.0	6.5	pZ	TR TYPE	(mm)	(mm)	TR (dan)				
										1.0	Pz			
1	1850	0.8	2.6	8000	4.7	0.4	1.4	---	6.5	20 / 16	67	74	494	4661
2	1850	0.8	2.6	8000	4.7	0.4	1.4	---	6.5	20 / 16	67	74	494	4661
3	1200	0.4	1.7	6350	3.6	0.5	1.7	---	4.5	16 / 24	65	74	400	2618
4	1200	0.4	1.7	6350	3.6	0.5	1.7	---	4.5	16	65	74	400	2618
5	1200	0.4	1.7	6350	3.6	0.5	1.7	---	4.5	16	65	74	400	2618

TEBS-E

Diagnostic memory	OK	Warning lamp control	OK
Parameter setting	carried out	Stop light supply	Not tested
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.	7A9E38114M2023134
Vehicle type	5AFT CHIPLINER	Odometer reading	0.0 km
Next service	0 km	Trip reading	0.0 km
Tester	Chris Clarke	Signature 	
Date	2022-04-01 2:49:51 pm		

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

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 db 31.08.2018

distribution: DOMETT TRAILERS
 7A9E38114M2023134
 SODC: JH220332
 LT400: CJC 819432

vehicle manufacturer: DOMETT TRAILERS
 trailer model : 5AFT CHIPLINER
 trailer type : 5-axle-full-trailer

remarks : air / hydraulic / VA suspension
 WABCO TRAILER - EBS E
 TRISTOP 1+2: T.20/24 [TSE2016HTLD ACTUALLY FITTED -
 SEE PAGE 7 FOR PERFORMANCE DATA]
 TRISTOP 3: 16/24
 265/70 R 19,5

axle 1 + 2 + 3 + 4 + 5 : Assali Stefen, K, 361-071-04 ECE Re 432,

		<u>unladen</u>					<u>laden</u>
total mass	P	in	kg				35050
axle 1	P1	in	kg	7300			8000
axle 2	P2	in	kg	1850			8000
axle 3	P3	in	kg	1850			6350
axle 4	P4	in	kg	1200			6350
axle 5	P5	in	kg	1200			6350
wheel base	E	in	mm	6900	-	7000	
centre of gravity height	h	in	mm	1045			2335

		<u>axle 1</u>					<u>axle 2</u>	<u>axle 3</u>	<u>axle 4</u>	<u>axle 5</u>
no. of combined axles		1	2	1	1	1	1	1	1	
no. of brake chambers per axle line	KDZ	1	2	1	2	2	2	2	2	
The power output corresponds to		BZ 119.6	BZ 119.6	BZ 0165.2	BZ 0169.2	BZ 0169.2	BZ 0169.2	BZ 0169.2	BZ 0169.2	
brake chamber manufacturer		Meritor	Meritor	Haldex	Haldex	Haldex	Haldex	Haldex	Haldex	
chamber size		T.20/24	T.20/24	16/24	16"	16"	16"	16"	16"	
lever length	lBh	in	mm	74	74	74	74	74	74	
brake factor		20.26	20.26	20.26	20.26	20.26	20.26	20.26	20.26	
dyn. rolling radius	rdyn	min	in	421	421	421	421	421	421	
dyn. rolling radius	rdyn	max	in	421	421	421	421	421	421	
threshold torque	Co	Nm		7.0	7.0	7.0	7.0	7.0	7.0	

calculation:

chamber pressure(rdyn	min)	pH	at	z=22,5%	bar	2.4	2.4	2.2	2.2	2.2
chamber pressure(rdyn	max)	pH	at	z=22,5%	bar	2.4	2.4	2.2	2.2	2.2
chamber press.(servo)	pcha	at	pm6,5bar	bar	6.5	6.5	4.5	4.5	4.5	4.5
piston force	ThA	at	pm6,5bar	N	7564	7564	4264	4264	4264	
brake force(rdyn min)	T lad.	at	pm6,5bar	N	53984	53984	30319	30319	30319	
brake force(rdyn max)	T lad.	at	pm6,5bar	N	53984	53984	30319	30319	30319	
Brake force incl. 1 % rolling resistance				%	22.2	22.2	18.5	18.5	18.5	

braking rate z Laden 0.579 for rdyn min
 z = sum (TR)/PRmax 0.579 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: 480 207 0.. 0 WABCO or 480 207 2.. 0
EBS relay valve

brake cylinder: Meritor 2024HTLD65

axle 2:

valve 1: 480 207 0.. 0 WABCO or 480 207 2.. 0
EBS relay valve

brake cylinder: Meritor 2024HTLD65

axle 3:

valve 1: 480 102 0.. 0 WABCO
EBS trailer modulator

brake cylinder: Haldex 135 1624 ... / 175 1624...

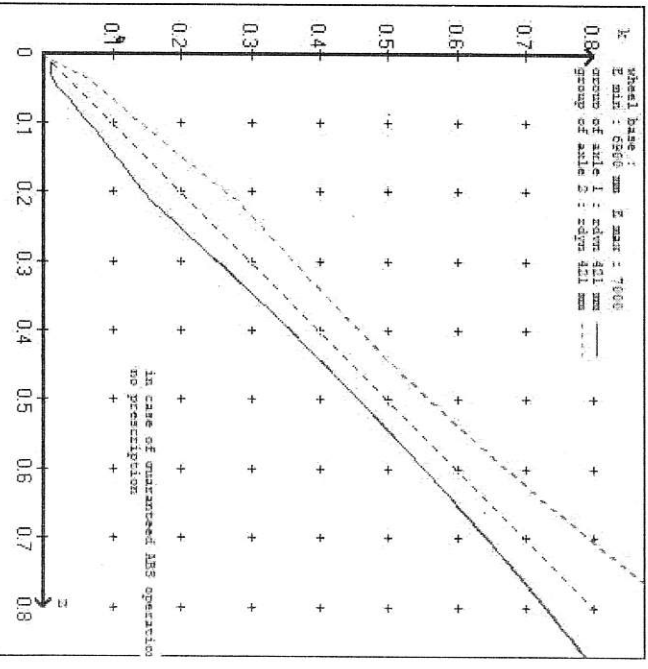
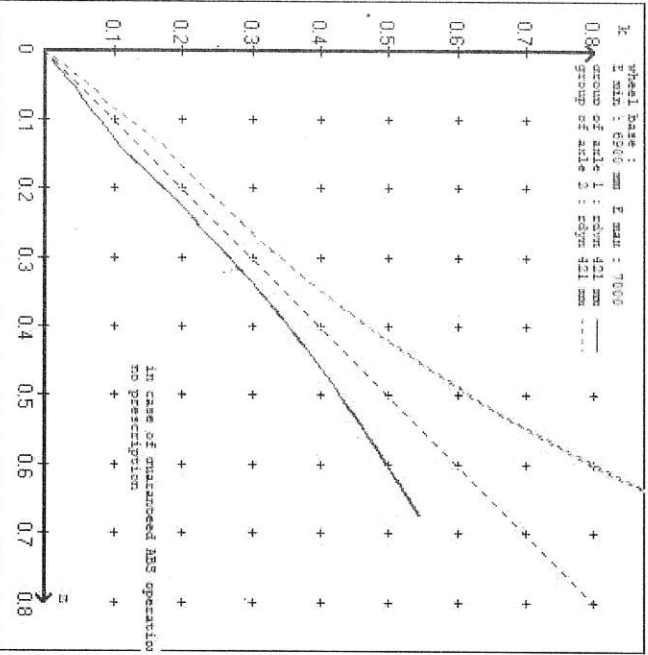
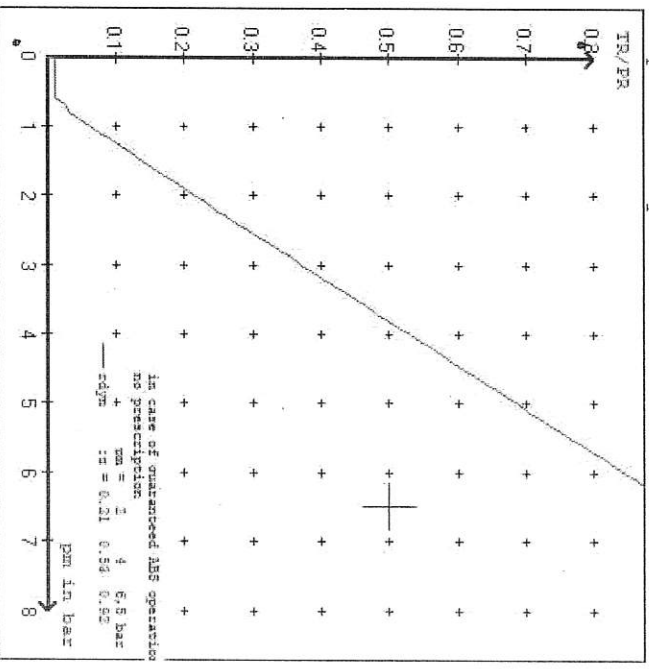
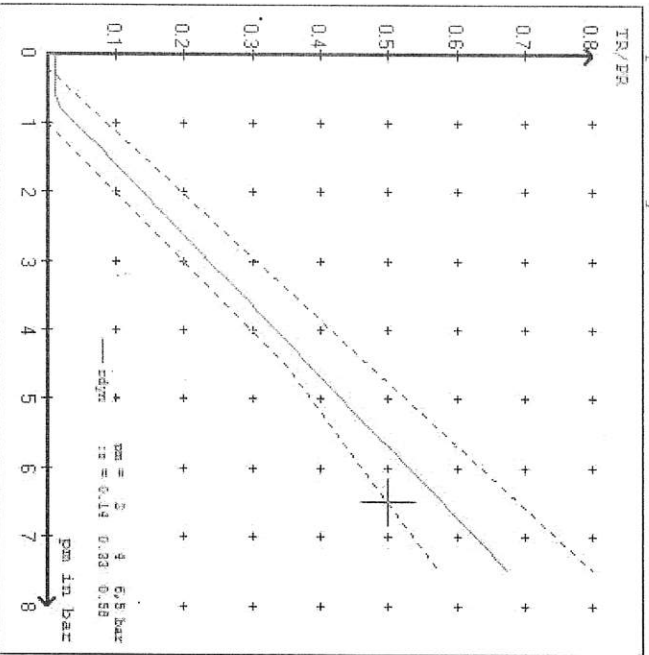
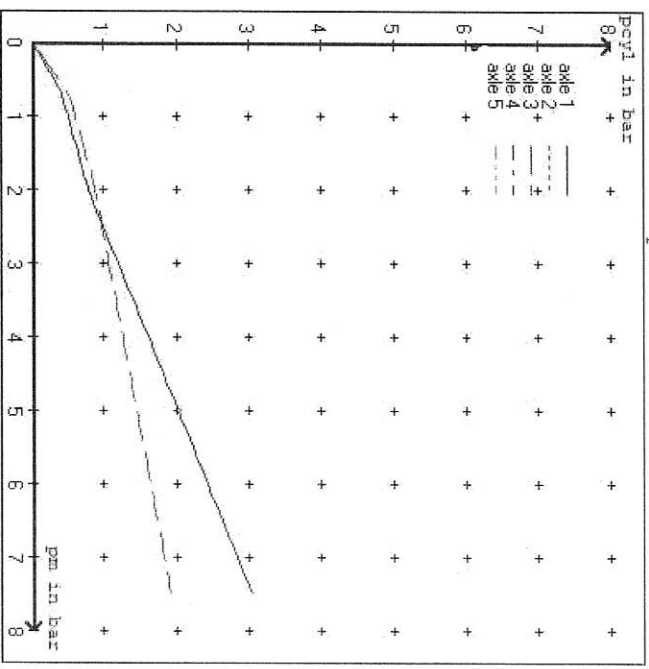
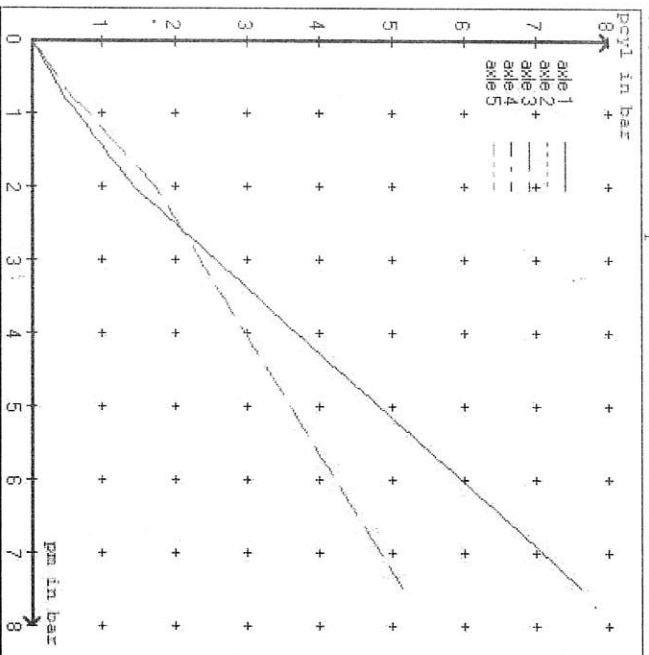
axle 4:
valve 1: 480 102 0.. 0 WABCO
EBS trailer modulator

brake cylinder: Haldex 125 160 0.. - 125 160 5.. / 125 160 6.. - 125 160 9..

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

brake cylinder: Haldex 125 160 0.. - 125 160 5.. / 125 160 6.. - 125 160 9..

test type III	(zIII = 0.30)	for rdyn min :	axle1	axle2	axle3	axle4	axle5	
at pm	3.6 bar =>	pcha in bar :	3.3	3.3	2.7	2.7	2.7	2.7
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	1.0	1.0	1.0	1.0



In case of unattended ABS operation
 no prescription

In case of unattended ABS operation
 no prescription

In case of unattended ABS operation
 no prescription

In case of unattended ABS operation
 no prescription

vehicle manufacturer: DOMETT TRAILERS
 trailer model : 5AFT CHIPLINER
 trailer type : 5-axle-full-trailer

brake chamber and lever length :
 axle 1 : 2 x type/diameter T.20/24 (Meritor) Lever length 74 mm
 axle 2 : 2 x type/diameter T.20/24 (Meritor) Lever length 74 mm
 axle 3 : 2 x type/diameter 16/24 (Haldex) Lever length 74 mm
 axle 4 : 2 x type/diameter 16" (Haldex) Lever length 74 mm
 axle 5 : 2 x type/diameter 16" (Haldex) Lever length 74 mm

brake diagram :

valve :
 480 207 0.. 0 WABCO EBS relay valve or 480 207 2.. 0
 480 102 0.. 0 WABCO EBS trailer modulator

EBS input data

=====
 vehicle manufacturer: DOMETT TRAILERS
 trailer model : 5AFT CHIPLINER
 trailer type : 5-axle-full-trailer
 brake calculation no. : TP 52393A

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

assignment pm / deceleration z: pm 0.7 bar z = 0.010
 2.0 bar z = 0.138
 (laden condition) 6.5 bar z = 0.580

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			axle load laden	bellow pr. laden		
1	1850	to be	2.6	8000	to be	0.4	1.4	6.5
2	1850	entered by	2.6	8000	entered by	0.4	1.4	6.5
3	1200	the vehicle	1.7	6350	the vehicle	0.5	1.7	4.5
4	1200	manufact.	1.7	6350	manufact.	0.5	1.7	4.5
5	1200	manufact.	1.7	6350	manufact.	0.5	1.7	4.5

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
1850	2.6	1850	2.6	1200	1.7	1200	1.7	1200	1.7
2350	2.9	2350	2.9	1700	2.0	1700	2.0	1700	2.0
2850	3.2	2850	3.2	2200	2.2	2200	2.2	2200	2.2
3350	3.6	3350	3.6	2700	2.5	2700	2.5	2700	2.5
3850	3.9	3850	3.9	3200	2.8	3200	2.8	3200	2.8
4350	4.2	4350	4.2	3700	3.1	3700	3.1	3700	3.1
4850	4.5	4850	4.5	4200	3.3	4200	3.3	4200	3.3
5350	4.8	5350	4.8	4700	3.6	4700	3.6	4700	3.6
8000	6.5	8000	6.5	6350	4.5	6350	4.5	6350	4.5

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

axle 1 : reference axle: Assali SteFTM or LM or LcEn	brake lining: ROR 8616 AF (M13)
test report : 361-071-04 ECE Re 432	date : GA310709
axle 2 : reference axle: Assali SteFTM or LM or LcEn	brake lining: ROR 8616 AF (M13)
test report : 361-071-04 ECE Re 432	date : GA310709
axle 3 : reference axle: Assali SteFTM or LM or LcEn	brake lining: ROR 8616 AF (M13)
test report : 361-071-04 ECE Re 432	date : GA310709
axle 4 : reference axle: Assali SteFTM or LM or LcEn	brake lining: ROR 8616 AF (M13)
test report : 361-071-04 ECE Re 432	date : GA310709
axle 5 : reference axle: Assali SteFTM or LM or LcEn	brake lining: ROR 8616 AF (M13)
test report : 361-071-04 ECE Re 432	date : GA310709

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 = 23.7 % Fe
axle 2	(rdyn 421 mm)	T = 23.7 % Fe
axle 3	(rdyn 421 mm)	T = 16.0 % Fe
axle 4	(rdyn 421 mm)	T = 16.0 % Fe
axle 5	(rdyn 421 mm)	T = 16.0 % Fe

calculated actuator stroke in mm

(item 4.3.1.1 of appendix 2 to annex 11)

axle 1	(sp = 58 mm)	s = 38 mm
axle 2	(sp = 58 mm)	s = 38 mm
axle 3	(sp = 50 mm)	s = 38 mm
axle 4	(sp = 50 mm)	s = 38 mm
axle 5	(sp = 50 mm)	s = 38 mm

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

axle1	ThA = 7564 N
axle2	ThA = 7564 N
axle3	ThA = 4264 N
axle4	ThA = 4264 N
axle5	ThA = 4264 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 = 46263 N
axle 2	(rdyn 421 mm)	T = 46263 N
axle 3	(rdyn 421 mm)	T = 26012 N
axle 4	(rdyn 421 mm)	T = 26012 N
axle 5	(rdyn 421 mm)	T = 26012 N

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

braking rate of the vehicle
(item 4.3.2 to appendix 2 to annex 11) 0.58

required braking rate
(items 1.5.3 and 1.7.2 to annex 11) $\geq 0,4$ and $\geq 0,6 * E$ (0.35)

axle 1	(rdyn 421 mm)	T = 46263 N
axle 2	(rdyn 421 mm)	T = 46263 N
axle 3	(rdyn 421 mm)	T = 26012 N
axle 4	(rdyn 421 mm)	T = 26012 N
axle 5	(rdyn 421 mm)	T = 26012 N

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

braking rate of the vehicle
(item 4.3.2 to appendix 2 to annex 11) 0.58

required braking rate
(items 1.5.3 and 1.7.2 to annex 11) $\geq 0,4$ and $\geq 0,6 * E$ (0.35)

Spring parking brake

	axle 1	axle 2	axle 3
no of TRISTOP-actuators per axle	2	2	2
TRISTOP-actuator type	T.20/16	T.20/16	16/24
lever length	74	74	74
stat. tyre radius	401	401	401
at a stroke of			
min. force of spring brake	30	30	30
sp.brake chamber no Meritor.....	6160	6160	6003
sp.brake chamber no Meritor.....	5	5	135 162
release pressure	4.8	4.8	175 162
			5.2

pls in bar

Calculation:

ratio until road			
iFb = $1Bh * \epsilon + C * rBt / (rBn * rstat)$	3.7388	3.7388	3.7388
for rstat in mm	401	401	401
brake force of spring br. Tf in N	45354	45354	44180
$Tf = (TFZ * KDZ - 2 * Cg / 1Bh) * iFb$			
braking rate			
zf = sum (Tf) / P + 0,01	zf laden		0.402

Test of the frictional connection required by the parking brake

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

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

min Ef =	4607 mm	for E =	6900 mm
min Ef =	4665 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 =	2335 mm	height of center of gravity - laden
PR =	19050 kg	maximum bogie mass - laden
P =	35050 kg	maximum total mass - laden
nF =	3	no. of axle(s) with TRISTOP spring brake actuators
ng =	3	no. of bogie axle(s)

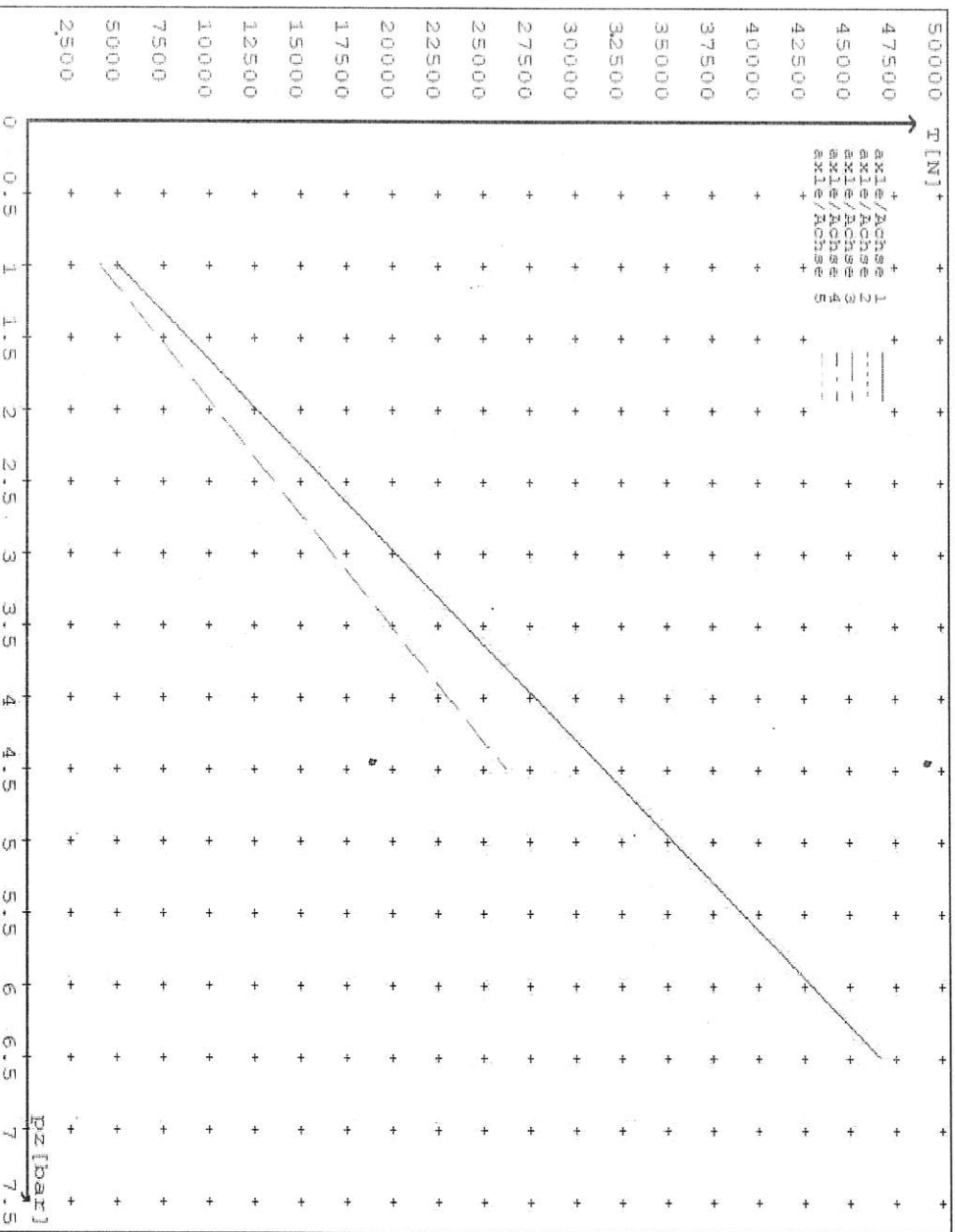
reference values

reference values for z = 50% for max rdyn: 421 mm

	pz [bar]	T [N]	T [N]
axle 1	1.0 6.5	4943 46618	
axle 2	1.0 6.5	4943 46618	
axle 3	1.0 4.5		4009 26182
axle 4	1.0 4.5		4009 26182
axle 5	1.0 4.5		4009 26182

VIN - no.:

	Axle(s) / Achse(n)				
Brake cylinder type (service / parking)	T.20/24	T.20/24	16/24	16"/	16"/
Bremszylinder Typ (Betrieb / Fest)	65	65	65	65	65
Maximum stroke smax = ...mm					
maximaler Hub smax = ...mm					
Lever length = ...mm	74				
Hebellänge = ...mm		74			
			74		
				74	
					74





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.

EXCEPT 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.

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: TD HAULAGE

VEHICLE DETAILS

VEHICLE TYPE: SAFT CHIPLINER **CERT #:** JH220332
YEAR: 2022 **CALCULATION #:** TP52393
MAKE: DOMETT **REGO #:** N/A
MODEL: E3811 **LT400 #:** 819432
CHASSIS #: 2134 **ORDER #:** 8601
VIN #: 7A9E38114M2023134

GVM: t 35 **PRIME MOVER:** UNKNOWN

LOAD CONFIGURATION: UNIFORM DENSITY

GROUP RATINGS: t

	FRONT	REAR
WHEEL BASE: <i>m</i>	16	19

	UNLADEN COG <i>m</i>	MAX HEIGHT <i>m</i>	HEIGHT DECK <i>m</i>
	1.045	4.2	1.15

COG: *m* 2.334

	FRONT	REAR	TOTAL
TARE: t	3.72	3.6	7.32

TYRE SIZE: 265 70 R19.5 **FRONT** 265 70 R19.5 **REAR** 265 70 R19.5

ROLLING CIRCUMFERENCE: *mm* 2645

AXLE SPACING: *m* 1.31

BRAKE & AXLE DETAILS

	MAKE	MODEL	TEST REPORT
AXLE:	ROR_ASSALL_STEFFEN	ROR-CS91 DISC	361-071-04
POLE WHEEL FRONT:	90	POLE WHEEL REAR:	90
LINING MATERIAL:	ROR 8616	BRAKE FACTOR:	20.26
SENSED AXLE(S):	NOTES:		
SERIAL NUMBERS:	1 N/A ROR CS9L 2 N/A ROR CS9L 3 N/A ROR CS9L 4 N/A ROR CS9L 5 N/A ROR CS9L		

CHAMBER AND VALVING DETAILS

	AXLE 1 & 2	AXLE 3	AXLE 4 & 5
CHAMBERS:	TSE_CHAMBERS	HALDEX_CHAMBERS	HALDEX_CHAMBERS
BRAND:	2016HTLD	1624 (135 1624)	16, (125 160)
SIZE:	67	65	65
STROKE: mm	TSE derived	BC0165.0	BC0169.0
TEST REPORT #:	6.16	6.003	N/A
SPRINGBRAKE FORCE: kN	4.8	5.2	N/A
HOLDOFF PRESSURE: Bar	MERITOR	MERITOR	MERITOR
FOUNDATION BRAKE:	74	74	74
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 #:	YES		
ANTI-COMPOUNDING:	SEALCO_SBR	110701	
SPRING BRAKE RELAY:	SEALCO_YR	17600B	
YARD RELEASE VALVE:	N/A	N/A	
INLINE RELAY FITTED:	<input checked="" type="checkbox"/> FRONT	<input type="checkbox"/> REAR	FRONT FRICTION: μ 0.48
ECU DIRECTION:			

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

SUSPENSION

	FRONT	REAR
SUSPENSION TYPE:	PNEUMATIC	PNEUMATIC
MAKE:	ROR_AIRSPRING	ROR_AIRSPRING
MODEL:	ROR_INTRA	ROR_INTRA
BELLOW SIZE:	CS9I	CS9I
HEIGHT CONTROL VALVE:	HALDEX 90554950	HALDEX 90554950
OTHER VALVES:	973 500 051 0	N/A
RIDE HEIGHT mm :	200	200
HANGER HEIGHT mm :	175	175
PEDESTAL HEIGHT mm :	8	8
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

	FRONT	REAR
AIR TANKS STANDARD:	SAE J10A / EN286-2	
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 COMMISSIONING 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 27.08.21

FILES CREATED & SENT TO CIC: 22.03.2022

FILES RETURNED FROM CIC:

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: 1/04/2022

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