

Must be presented to a CoF (heavy) inspecting organisation if not entered into LANDATA

Heavy vehicle specialist inspector's or manufacturing inspecting organisation's name <small>(PRINT IN CAPS)</small> <b>CHRIS CLARKE</b>	ID <b>CJC</b>
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Plate number <small>(optional)</small>	VIN/chassis number <b>7 A 9 E 1 5 0 1 3 N 2 0 2 3 2 4 5</b>
Make <b>DOMETT</b>	Component being certified: <input type="checkbox"/> Chassis <input type="checkbox"/> Load anchorage
Model <small>(optional)</small> <b>E1501</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
	<input type="checkbox"/> Swept path <input type="checkbox"/> 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 PLATFORM **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>30 Tonnes GVM</b>
General drawing number(s) <b>N/A</b>	<b>16 Tonne (Front brake mass)</b> <b>19 Tonne (Rear brake mass)</b>

Supporting documents

<b>BRAKE RULE CERTIFICATE</b>	<b>JH230510</b>
<b>BRAKE CALCULATION #</b>	<b>TP52592</b>

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** **J E H**

Inspector's signature  


Inspector's name (PRINT IN CAPS) ID number  
**CHRIS CLARKE** **CJC**

Date Number  
**11.05.2023** **864590**

CoF vehicle inspector ID <small>(if applicable)</small>	CoF vehicle inspector signature <small>(if applicable)</small>	Date
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All fields are mandatory unless otherwise stated.

# WABCO START-UP LOG

System	Trailer EBS-E	WABCO part number	480 102 080 0
Production date	2023-03-30	Serial number	897043511600A
Serial number (modulator)	000000571150		
Fingerprint Customer EOL / Customer Development / Flash Program	W503643 / 2023-05-11 ; 00000000 / 0000-00-00 ; 00000000 / 0000-00-00		

<b>WABCO</b>	<b>TRAILER EBS-E</b>	GGVS/ADR TUEH TB 2007 - 019.00 361-005-16
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HERSTELLER MANUFACTURER CONSTRUCTEUR	DOMETT TRAILERS		
TYP TYPE	5AFT PLATFORM		
VEHICLE IDENT. NUMBER CHASSIS NUMBER NUMERO DE CHASSIS	7A9E15013N2023245		
BREMSENRECHNUNGS-NR. BRAKE CALCULATION NO. CALCUL DE FREINAGE NO.	TP52592A		
POLRADZAHNEZAHL c-d   e-f POLE WHEEL TEETH c-d   e-f DENTS ROUE DENTEE c-d   e-f	90	90	ABS-System ABS-System Système ABS 4S/3M
RSS RSS	Einfachbereifung Single tire Monte simple	Lenkachse Steering axle Essieu vireur	
	Zwillingbereifung Twin tires / Super single Monte jumelle	X	Kippkritisches Fahrzeug Critical Trailer Vehicule critique
Subsystems	---	I/O	24N

GIO	Pin1	Pin3	Pin4
1	TAV1	MH	TAV1
2	eTASC	---	eTASC
3	ALS2	ALS2	---
4	---	---	LS1
5	DIAG	DIAG	DIAG
6	---	---	---
7	---	---	---



ACHSE AXLE ESSEU	pm (bar)		6.5	pm (bar)		0.7	2.0	---	6.5	pz	TYP TYPE	(mm)	(mm)	(bar)	
	+	-	+	-	+	-	+	-	1.0					Pz	
1	1600	0.6	2.1	8000	4.4	0.4	1.3	---	5.8	-	20	66	76	540	4507
2	1600	0.6	2.1	8000	4.4	0.4	1.3	---	5.8	-	20	66	76	540	4507
3	1300	0.4	1.6	6350	3.4	0.4	1.5	---	4.3	-	16 / 24	65	76	440	2720
4	1300	0.4	1.6	6350	3.4	0.4	1.5	---	4.3	-	16 / 24	65	76	440	2720
5	1300	0.4	1.6	6350	3.4	0.4	1.5	---	4.3	1	16	65	76	440	2720

## 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.	7A9E15013N2023245
Vehicle type	5AFT PLATFORM	Odometer reading	0.0 km
Next service	0 km	Trip reading	0.0 km

Tester	Chris Clarke	Signature 
Date	2023-05-11 4:13:24 pm	

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

distribution: DOMETT TRAILERS  
 7A9E15013N2023245  
 SoDC: JH230510  
 LT400: CJC 864590

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

vehicle manufacturer: DOMETT TRAILERS  
 trailer model : 5AFT PLATFORM  
 trailer type : 5-axle-full-trailer  
 remarks : air / hydraulic / VA suspension  
 WABCO TRAILER - EBS E  
 TRISTOP 3+4: 16/24  
 265/70 R 19,5  
 THE FRONT CHAMBERS ARE HALDEX [T20. 125 200 00]

axle 1 + 2 + 3 + 4 + 5 : Assali Stefen, R, 361-005-16 ECE,

		unladen	laden
total mass	P in kg	7100	35050
axle 1	P1 in kg	1600	8000
axle 2	P2 in kg	1600	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	6630 - 6730	
centre of gravity height	h in mm	1025	2070

	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 KdZ	2	2	2	2	2
The power output corresponds to	BZ 122.1	BZ 122.1BC	0165.2BC	0165.2BC	0169.2
brake chamber manufacturer	Meritor	Meritor	Haldex	Haldex	Haldex
chamber size	20.	20.	16/24	16/24	16"
lever length lBh in mm	76	76	76	76	76
brake factor [-]	22.37	22.37	22.37	22.37	22.37
dyn. rolling radius rdyn min in mm	421	421	421	421	421
dyn. rolling radius rdyn max in mm	421	421	421	421	421
threshold torque Co Nm	6.0	6.0	6.0	6.0	6.0

calculation:

chamber pressure(rdyn min)pH at z=22,5%bar	2.1	2.1	2.0	2.0	2.0
chamber pressure(rdyn max)pH at z=22,5%bar	2.1	2.1	2.0	2.0	2.0
chamber press.(servo)pcha at pm6,5bar bar	5.8	5.8	4.3	4.3	4.3
piston force ThA at pm6,5bar N	6702	6702	4058	4058	4058
brake force(rdyn min)T lad. at pm6,5bar N	54273	54273	32760	32760	32760
brake force(rdyn max)T lad. at pm6,5bar N	54273	54273	32760	32760	32760
Brake force incl. 1 % rolling resistance proportion %	22.2	22.2	18.5	18.5	18.5

braking rate z laden 0.602 for rdyn min  
 z = sum (TR)/PRmax 0.602 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    20HSCLD65

axle 2:

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

brake cylinder: Meritor    20HSCLD65

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 135 1624 ... / 175 1624...

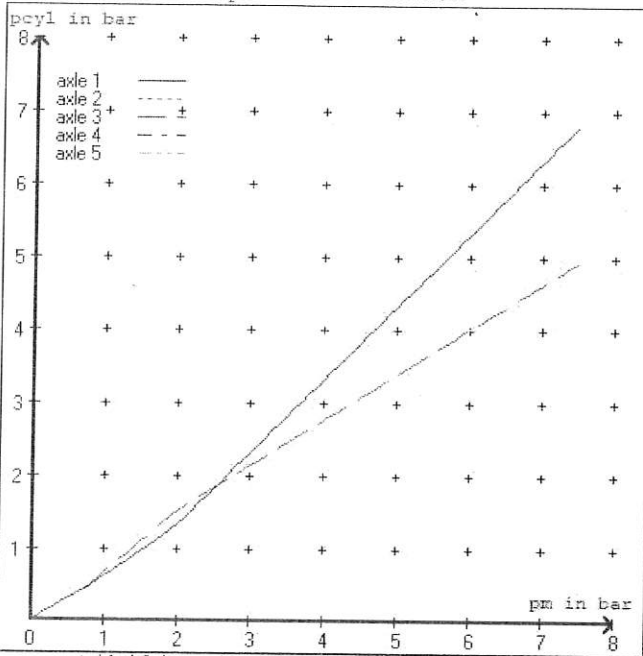
axle 5:

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

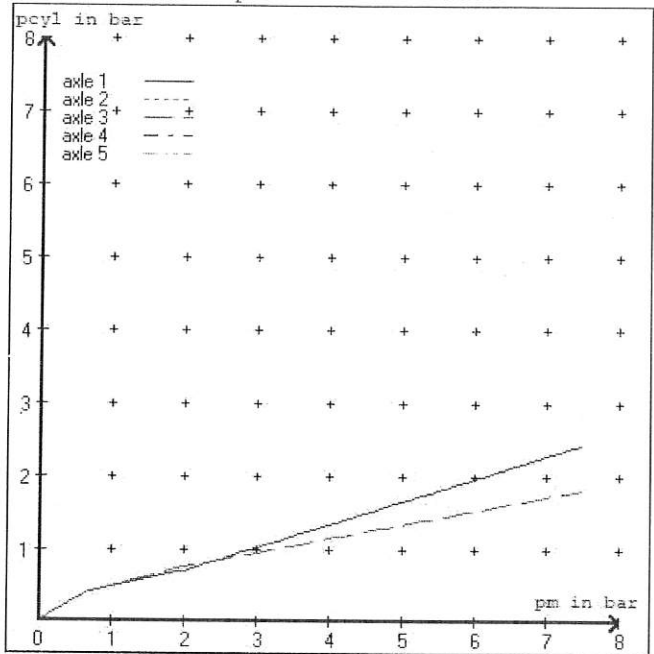
brake cylinder: Haldex 125 160 0.. - 125 160 5.. / 125 160 6.. - 125 160 9..

test type III (zIII = 0.30)	for rdyn min :	axle1	axle2	axle3	axle4	axle5	
at pm 3.6 bar =>	pcha in bar :	2.9	2.9	2.5	2.5	2.5	
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	0.9	0.9	0.9	

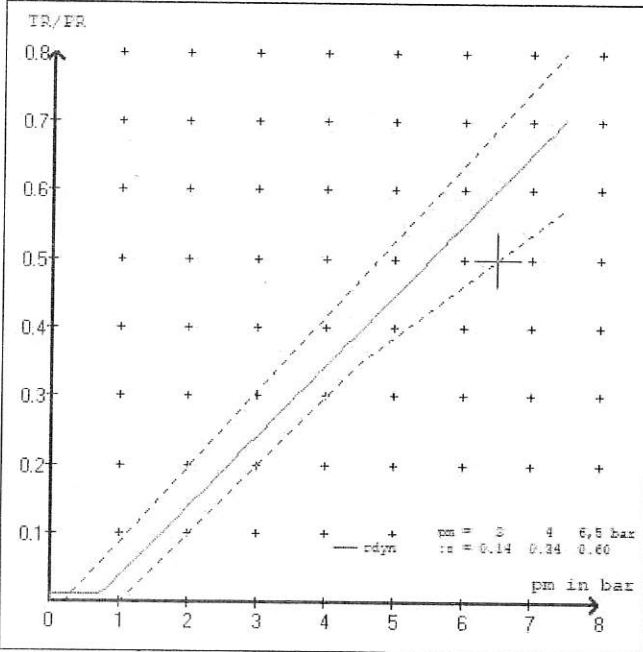
brake chamber pressure laden



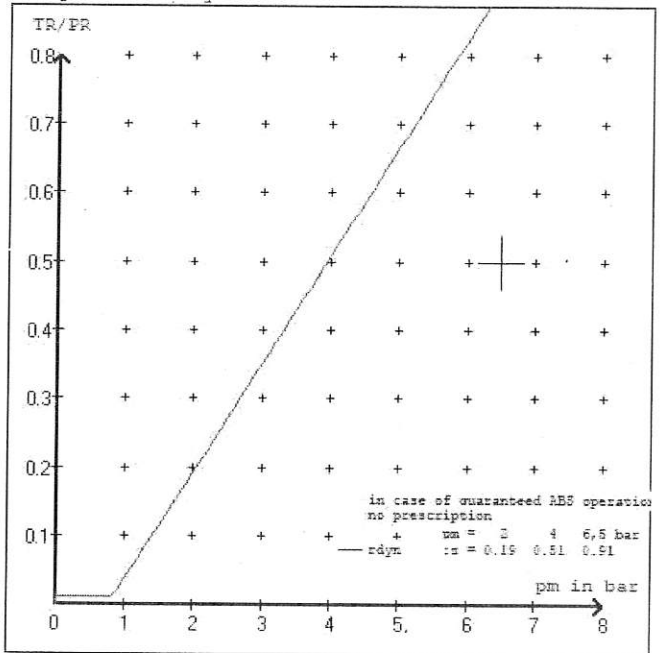
brake chamber pressure unladen



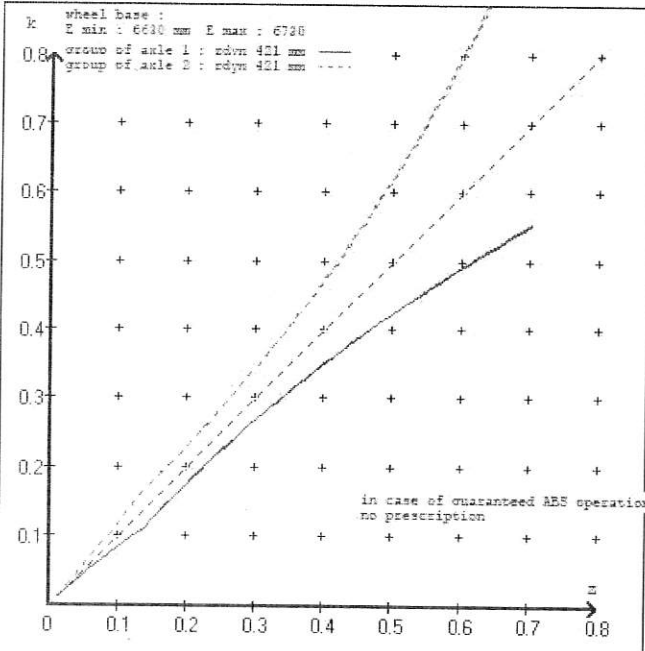
compatibility band laden



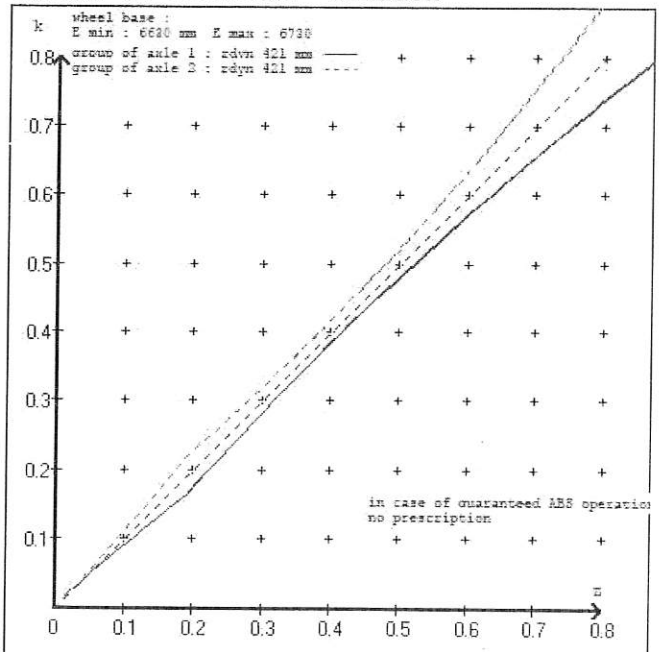
compatibility band unladen



curves of friction laden



curves of friction unladen



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

brake chamber and lever length :

axle 1 : 2 x type/diameter 20. (Meritor) lever length 76 mm  
 axle 2 : 2 x type/diameter 20. (Meritor) lever length 76 mm  
 axle 3 : 2 x type/diameter 16/24 (Haldex) lever length 76 mm  
 axle 4 : 2 x type/diameter 16/24 (Haldex) lever length 76 mm  
 axle 5 : 2 x type/diameter 16" (Haldex) lever length 76 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

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vehicle manufacturer: DOMETT TRAILERS  
 trailer model : 5AFT PLATFORM  
 trailer type : 5-axle-full-trailer  
 brake calculation no. : TP 52592A

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

control pressure pm		6,5		control pressure pm		0.7	2.0	6.5
axle	axle load unladen	bellow pr. unladen	brake pr. unladen	axle load laden	bellow pr. laden	brake pr. laden		
1	1600	to be	2.1	8000	to be	0.4	1.3	5.8
2	1600	entered by the vehicle manufact.	2.1	8000	entered by the vehicle manufact.	0.4	1.3	5.8
3	1300		1.6	6350		0.4	1.5	4.3
4	1300		1.6	6350		0.4	1.5	4.3
5	1300		1.6	6350		0.4	1.5	4.3

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.

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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
1600	2.1	1600	2.1	1300	1.6	1300	1.6	1300	1.6
2100	2.4	2100	2.4	1800	1.9	1800	1.9	1800	1.9
2600	2.7	2600	2.7	2300	2.1	2300	2.1	2300	2.1
3100	3.0	3100	3.0	2800	2.4	2800	2.4	2800	2.4
3600	3.3	3600	3.3	3300	2.7	3300	2.7	3300	2.7
4100	3.5	4100	3.5	3800	2.9	3800	2.9	3800	2.9
4600	3.8	4600	3.8	4300	3.2	4300	3.2	4300	3.2
5100	4.1	5100	4.1	4800	3.5	4800	3.5	4800	3.5
8000	5.8	8000	5.8	6350	4.3	6350	4.3	6350	4.3

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

axle 1	: reference axle: Assali StefLM or LC or TMen	brake lining: MAT 5200-215
	test report : 361-005-16 ECE	date : HL090216 09.02.2016
axle 2	: reference axle: Assali StefLM or LC or TMen	brake lining: MAT 5200-215
	test report : 361-005-16 ECE	date : HL090216 09.02.2016
axle 3	: reference axle: Assali StefLM or LC or TMen	brake lining: MAT 5200-215
	test report : 361-005-16 ECE	date : HL090216 09.02.2016
axle 4	: reference axle: Assali StefLM or LC or TMen	brake lining: MAT 5200-215
	test report : 361-005-16 ECE	date : HL090216 09.02.2016
axle 5	: reference axle: Assali StefLM or LC or TMen	brake lining: MAT 5200-215
	test report : 361-005-16 ECE	date : HL090216 09.02.2016

calc. verific. of residual (hot) braking force type III  
(item 4.2.1 of appendix 2 to annex 11)

axle 1	(rdyn 421 mm)	T = 25.1 % Fe
axle 2	(rdyn 421 mm)	T = 25.1 % Fe
axle 3	(rdyn 421 mm)	T = 17.6 % Fe
axle 4	(rdyn 421 mm)	T = 17.6 % Fe
axle 5	(rdyn 421 mm)	T = 17.6 % Fe

calculated actuator stroke in mm  
(item 4.3.1.1 of appendix 2 to annex 11)

axle 1	(sp = 58 mm)	s = 42 mm
axle 2	(sp = 58 mm)	s = 42 mm
axle 3	(sp = 50 mm)	s = 42 mm
axle 4	(sp = 50 mm)	s = 42 mm
axle 5	(sp = 50 mm)	s = 42 mm

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

axle1	ThA = 6702 N
axle2	ThA = 6702 N
axle3	ThA = 4058 N
axle4	ThA = 4058 N
axle5	ThA = 4058 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 = 39378 N
axle 2	(rdyn 421 mm)	T = 39378 N
axle 3	(rdyn 421 mm)	T = 23814 N
axle 4	(rdyn 421 mm)	T = 23814 N
axle 5	(rdyn 421 mm)	T = 23814 N

	basic test	type III
	of subject	(calculated)
braking rate of the vehicle	trailer (E)	residual
(item 4.3.2 to appendix 2 to annex 11)	0.60	(hot)braking
		0.44

required braking rate  
(items 1.5.3 and 1.7.2 to annex 11)       $\geq 0,4$  and  
 $\geq 0,6 * E (0.36)$

axle 1	(rdyn 421 mm)	T = 39378 N
axle 2	(rdyn 421 mm)	T = 39378 N
axle 3	(rdyn 421 mm)	T = 23814 N
axle 4	(rdyn 421 mm)	T = 23814 N
axle 5	(rdyn 421 mm)	T = 23814 N

	basic test	type III
	of subject	(calculated)
braking rate of the vehicle	trailer (E)	residual
(item 4.3.2 to appendix 2 to annex 11)	0.60	(hot)braking
		0.44

required braking rate  
(items 1.5.3 and 1.7.2 to annex 11)       $\geq 0,4$  and  
 $\geq 0,6 * E (0.36)$





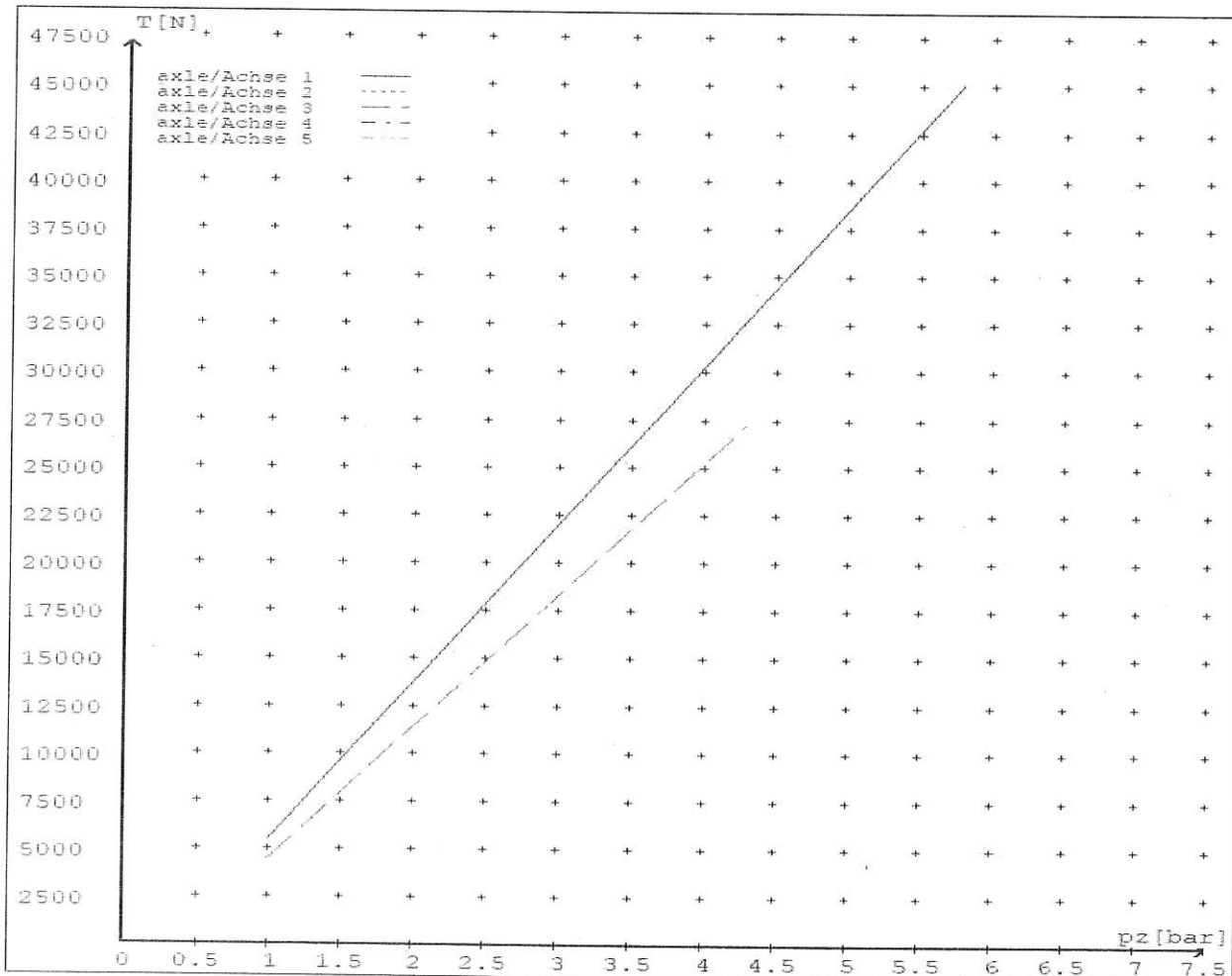
reference values

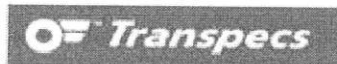
reference values for z = 50% for max rdyn: 421 mm

	pz [bar]	T [N]	T [N]
axle 1	1.0	5408	
	5.8	45077	
axle 2	1.0	5408	
	5.8	45077	
axle 3	1.0		4408
	4.3		27209
axle 4	1.0		4408
	4.3		27209
axle 5	1.0		4408
	4.3		27209

VIN - no.:

	Axle(s) / Achse(n)				
brake cylinder type (service / parking) Bremszylinder Typ (Betrieb / Fest)	20./	20./	16/24	16/24	16"/
Maximum stroke smax = ...mm maximaler Hub smax = ....mm	65	65	65	65	65
Lever length = ....mm Hebellänge = ....mm	76	76	76	76	76





## 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***

**(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)



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

**CLIENT**

<b>MANUFACTURER:</b>	DOMETT TRAILERS
<b>ADDRESS:</b>	TAURIKURA DRIVE, TAURANGA 3110
<b>FLEET:</b>	MCLEOD HIABS

**VEHICLE DETAILS**

<b>VEHICLE TYPE:</b>	SAFT PLATFORM	<b>CERT #:</b>	JH230510
<b>YEAR:</b>	2023	<b>CALCULATION #:</b>	TP52592
<b>MAKE:</b>	DOMETT	<b>REGO #:</b>	N/A
<b>MODEL:</b>	E1501	<b>LT400 #:</b>	864590
<b>CHASSIS #:</b>	2245	<b>ORDER #:</b>	9171
<b>VIN #:</b>	7A9E15013N2023245		
<b>GVM: t</b>	30	<b>PRIME MOVER:</b>	UNKNOWN
<b>LOAD CONFIGURATION:</b>	MIXED FREIGHT		
<b>GROUP RATINGS: t</b>	<b>FRONT</b>	<b>REAR</b>	
	16	19	
<b>WHEEL BASE: m</b>	6.68		
	<b>UNLADEN COG m</b>	<b>MAX HEIGHT m</b>	<b>HEIGHT DECK m</b>
	1.025	4.3	1.143
<b>COG: m</b>	2.071		
	<b>FRONT</b>	<b>REAR</b>	<b>TOTAL</b>
<b>TARE: t</b>	3.28	4	7.28
	<b>FRONT</b>	<b>REAR</b>	
<b>TYRE SIZE:</b>	265 70 R19.5	265 70 R19.5	
<b>ROLLING CIRCUMFERENCE: mm</b>	2645	2645	
<b>AXLE SPACING: m</b>	1.31	2.51	

### BRAKE & AXLE DETAILS

	MAKE	MODEL	TEST REPORT
AXLE:	ROR_ASSALI_STEFEN	ROR-SL9 TSA	361-005-16
POLE WHEEL FRONT:	90	POLE WHEEL REAR:	90
LINING MATERIAL:	MAT 5200-215	BRAKE FACTOR:	22.37
SENSED AXLES:	2 + 4	<b>NOTES:</b>	
SERIAL NUMBERS:	1	N/A	ROR SL9
	2	N/A	ROR SL9
	3	N/A	ROR SL9
	4	N/A	ROR SL9
	5	N/A	ROR SL9

### CHAMBER AND VALVING DETAILS

	AXLE 1 & 2	AXLE 3 & 4	AXLE 5
CHAMBERS:	HALDEX_CHAMBERS	HALDEX_CHAMBERS	HALDEX_CHAMBERS
BRAND:	HALDEX_CHAMBERS	HALDEX_CHAMBERS	HALDEX_CHAMBERS
SIZE:	20, (125 200)	1624 (135 1624)	16, (125 160)
STROKE: mm	66	65	65
TEST REPORT #:	BC0175.0	BC0165.0	BC0169.0
SPRINGBRAKE FORCE: kN	N/A	6.003	N/A
HOLDOFF PRESSURE: Bar	N/A	5.2	N/A
FOUNDATION BRAKE:	HALDEX	HALDEX	HALDEX
LEVER LENGTH: mm	74	74	74
BRAKE VALVES:	<b>MAKE:</b>	<b>PART NUMBER:</b>	<b>PM PRESS. kPa</b>
ECU PART #:	WABCO	480 102 08. 0 (MV)	70 kPa
3RD MODULATOR #:	WABCO	480 207 202 0 (12V)	70 kPa
ANTI-COMPOUNDING:	YES		
SPRING BRAKE RELAY:	SEALCO_SBR	110701	
YARD RELEASE VALVE:	SEALCO_YR	17600B	
INLINE RELAY FITTED:	N/A	N/A	
ECU DIRECTION:	<input checked="" type="checkbox"/> FRONT	<input type="checkbox"/> REAR	<b>FRONT FRICTION: <math>\mu</math></b> 0.49
SUBSYSTEMS:	<input type="checkbox"/> SMARTBOARD	<input type="checkbox"/> OPTI-LINK	<input type="checkbox"/> CAN ROUTER 446 122 050 0
	<input type="checkbox"/> ELEX 446 122 070 0	<input type="checkbox"/> TAILGUARD	

## SUSPENSION

	FRONT	REAR
SUSPENSION TYPE:	PNEUMATIC	ELECTRONIC
MAKE:	ROR_AIRSPRING	ROR_AIRSPRING
MODEL:	ROR_INTRA	ROR_INTRA
BELLOW SIZE:	SL9 TSA	SL9 TSA
HEIGHT CONTROL VALVE:	HALDEX 90554950	441 050 100 0
OTHER VALVES:	N/A	463 090 500 0 (eTASC)
RIDE HEIGHT <i>mm</i> :	330	330
HANGER HEIGHT <i>mm</i> :	175	175
PEDESTAL HEIGHT <i>mm</i> :	8	8
LIFTAXLE:		N/A
TIPPING DUMP SWITCH:		N/A
LIFTAXLE VALVE:		N/A
PRESSURE LIMITING:		N/A

## AIR TANKS

AIR TANKS STANDARD:	SAE J10A / EN286-2	
	FRONT	REAR
BRAKE TANK SIZE: <i>L</i>	46	46 + 25
AUXILLARY TANK SIZE: <i>L</i>	N/A	46
PRESSURE PROTECTION:	SEALCO 1300	

## AIR LINES

### TEST POINTS:

CONTROL LINE:	X 1	TANK:	X 1
REAR CHAMBER:	X 2	FRONT CHAMBER:	X 1
DUOMATIC COLOUR CODED:	YES		

**HEAVY VEHICLE BRAKE RULE - 32015 (TRAILER)**

SCHEDULE 4

SCHEDULE 5

SECTION 6

APPROVED STD

**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:

180

190

360

**NOTES, SKETCHES AND SPECIAL CONDITIONS**

FILES RECEIVED: 30.11.22

FILES CREATED: 10.05.2023

FILES SENT: 10.05.2023

REQUEST A COPY OF THE TARE WEIGHT DOCKET

Multiple horizontal lines for notes and sketches.

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: 11/05/2023

SIGNED:

CERTIFIER NAME & ID:

CHRIS CLARKE

CJC

SODC BY:

JOHN HIRST

JEH

PHONE (BUS):

09-980-7300

POSTAL ADDRESS:

P.O. Box 98-971, Manukau 2241  
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