

Heavy vehicle specialist certificate

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

Plate number (optional)

VIN/chassis number
7A9E23018N2023212

Make **DOMETT** Component being certified: Chassis Load anchorage

Model (optional) **E2301** 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 TIP 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 **JH220620**
 BRAKE CALCULATION # **TP52524**

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]

Hubodometer reading (whichever comes first)
 OR

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) **CHRIS CLARKE** ID number **842361**
 Date **27.09.2022** Number **842361**

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	2022-08-08	Serial number	897042077800K
Serial number (modulator)	000000557199		
Fingerprint Customer EOL / Customer Development / Flash Program	W503643 / 2022-09-28 ; 00000000 / 0000-00-00 ; 00000000 / 0000-00-00		

WABCO

TRAILER EBS-E

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

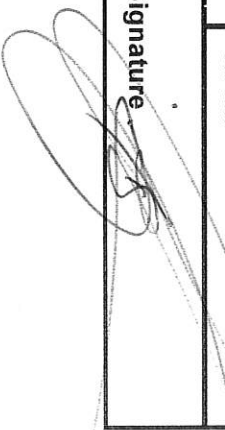
HERSTELLER FABRIQUEUR CONSTRUCTEUR	DOMETT TRAILERS		
TYPE	5AFT TIP C/SIDE		
VEHICLE AGENT NUMBER CHASSIS NUMBER NUMERO DE CHASSIS	7A9E23018N2023212		
BREMSENRECHNUNGS-NR. BRAKE CALCULATION NO. CALCUL. DE FREMAGE NO.	TP52524A		
POLE RADZAHN/ZAHN, c-d / e-1 POLE WHEEL, TEETH - c-d / e-1 DENTS ROUE DENTEE c-d / e-1	90	90	ABS-system ABS System Systeme ABS
Einbaubereitung Single Tie Shore simple		Lenkachse Steering axle Essen wheel	
RSS Zeilungsbereitung Main line Main jumelle	X	Kipptastisches Fahrzeug Catenary Catenary type	
Subsystems	SB	I/O	24N

ACHSE AXLE ESSEL	6.5		2.0		6.5	pz	TYPE	(mm)	(mm)	TR (dan)					
	pm (bar)	pm (bar)	0.6	2.0											
1	2300	1.1	3.3	8000	4.7	0.4	1.5	---	6.7	-	20	66	74	491	4788
2	2300	1.1	3.3	8000	4.7	0.4	1.5	---	6.7	-	20	66	74	491	4788
3	1550	0.6	2.0	6350	3.6	0.5	1.7	---	4.4	-	16 / 24	65	74	398	2541
4	1550	0.6	2.0	6350	3.6	0.5	1.7	---	4.4	-	16 / 24	65	74	398	2541
5	1550	0.6	2.0	6350	3.6	0.5	1.7	---	4.4	-	16	65	74	398	2541

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.	7A9E23018N2023212
Vehicle type	5AFT TIP C/SIDE	Odometer reading	0.0 km
Next service	0 km	Trip reading	0.0 km
Tester	Chris Clarke	Signature 	
Date	2022-09-28 11:46:19 am		

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 (V6.16.07.12), -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 comment to do a braking harmonisation! WABCOBrake V6.18.07.12 db 31.08.2018

distribution: DOMETT TRAILERS
7A9E23018N2023212
SoDC: JH220620
LT400: CJC 842361

vehicle manufacturer: DOMETT TRAILERS

trailer model / : 5AFT TIP C/SIDE

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 T.20 (125 200 ..)

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

		unladen					laden				
total mass		P	in	kg							
axle 1		P1	in	kg	9250						35050
axle 2		P2	in	kg	2300						8000
axle 3		P3	in	kg	2300						8000
axle 4		P4	in	kg	1550						6350
axle 5		P5	in	kg	1550						6350
wheel base		E	in	mm	6725	-	6825				
centre of gravity height		h	in	mm	1410						2360

		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	KDZ	2	2	2	2	2	2	2	2	2	2
The power output corresponds to		BZ 122.1	BZ 122.1BC	0165.2BC	0165.2BC	0165.2BC	0165.2BC	0169.2			
brake chamber manufacturer		Meritor	Meritor	Haldex	Haldex	Haldex	Haldex	Haldex			
chamber size		20.	20.	16/24	16/24	16/24	16/24	16"			
lever length	lbh	74	74	74	74	74	74	74			
brake factor		20.26	20.26	20.26	20.26	20.26	20.26	20.26			
dyn. rolling radius	rdyn min	421	421	421	421	421	421	421			
dyn. rolling radius	rdyn max	421	421	421	421	421	421	421			
threshold torque	Co	7.0	7.0	7.0	7.0	7.0	7.0	7.0			

calculation:

	rdyn min	ph at z=22,5%bar	rdyn min	ph at z=22,5%bar	rdyn min	ph at z=22,5%bar	rdyn min	ph at z=22,5%bar	rdyn min	ph at z=22,5%bar	rdyn min	ph at z=22,5%bar
chamber pressure	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.2	2.2	2.2	2.2	2.2
chamber pressure	2.5	2.5	2.5	2.5	2.5	2.5	2.2	2.2	2.2	2.2	2.2	2.2
chamber press.(servo)pcha at pm6,5bar	6.7	6.7	6.7	6.7	6.7	6.7	4.4	4.4	4.4	4.4	4.4	4.4
piston force	7810	7810	7810	7810	7810	7810	4161	4161	4161	4161	4161	4161
brake force	55739	55739	55739	55739	55739	55739	29585	29585	29585	29585	29585	29585
brake force	55739	55739	55739	55739	55739	55739	29585	29585	29585	29585	29585	29585
Brake force incl. 1 % rolling resistance	22.2	22.2	22.2	22.2	22.2	22.2	18.5	18.5	18.5	18.5	18.5	18.5

braking rate z Laden 0.582 for rdyn min
z = sum (TR)/PRmax 0.582 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 20HSCID65

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 20HSCID65

axle 3:

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

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

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

axle 4:

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

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

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

axle 5:

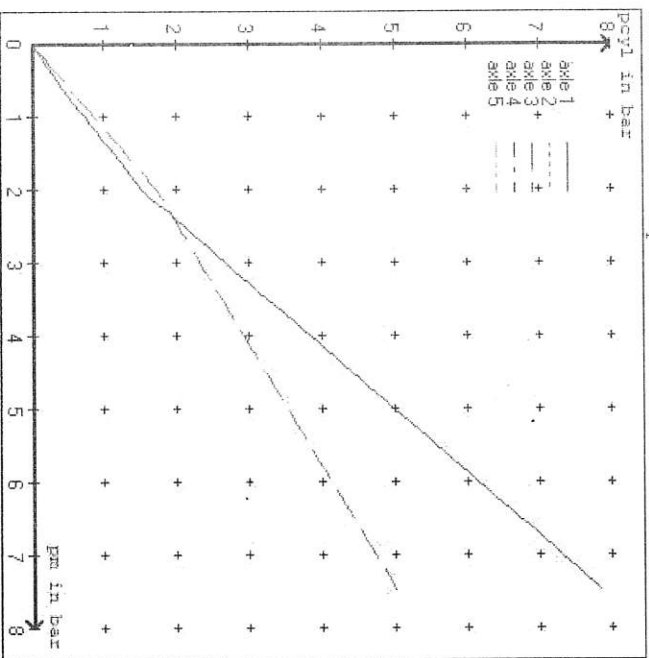
valve 1: 971 002 ... 0 WABCO
EBS emergency valve

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

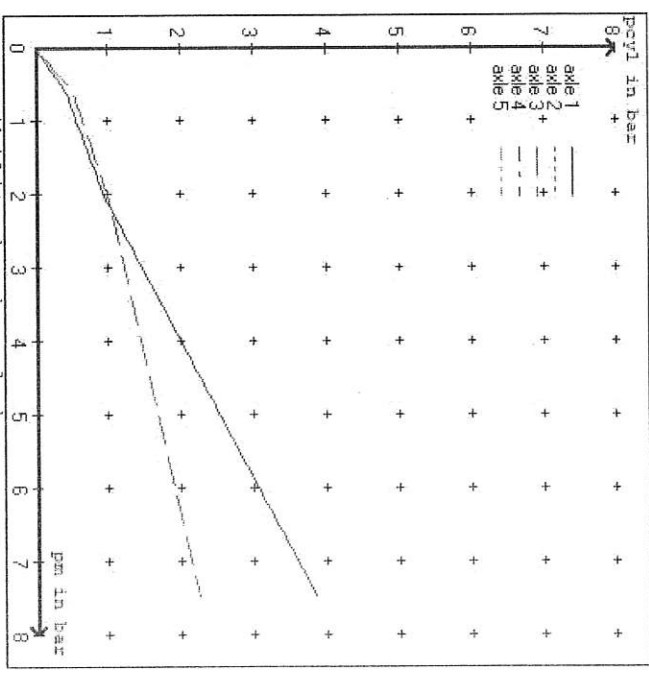
brake cylinder: Haldex 125 160 0.. - 125 160 5.. / 125 160 6.. - 125 160 9..

test type III (ZIII = 0.30) for rdyn min : axle1 axle2 axle3 axle4 axle5 2.7
at pm 3.6 bar => pcha in bar : 3.3 3.3 2.7 2.7
test type III (ZIII = 0.06) for rdyn min : axle1 axle2 axle3 axle4 axle5 0.9
at pm 1.1 bar => pcha in bar : 0.8 0.8 0.9 0.9

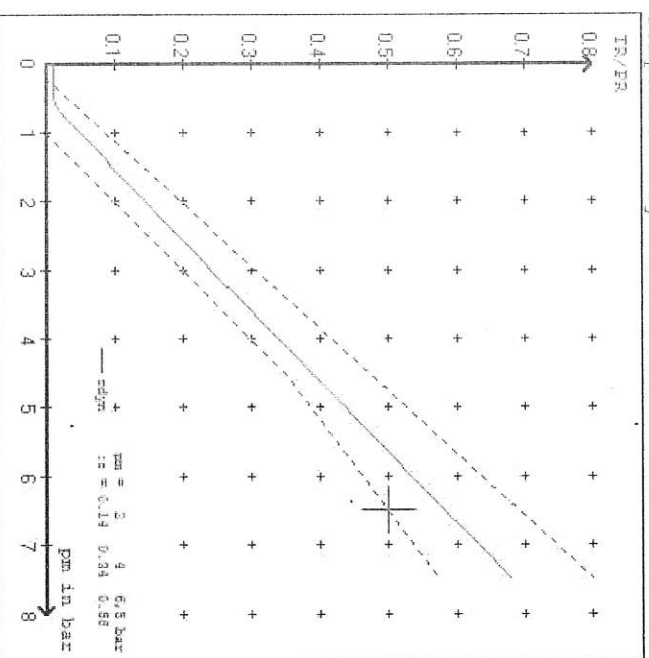
brake chamber pressure laden



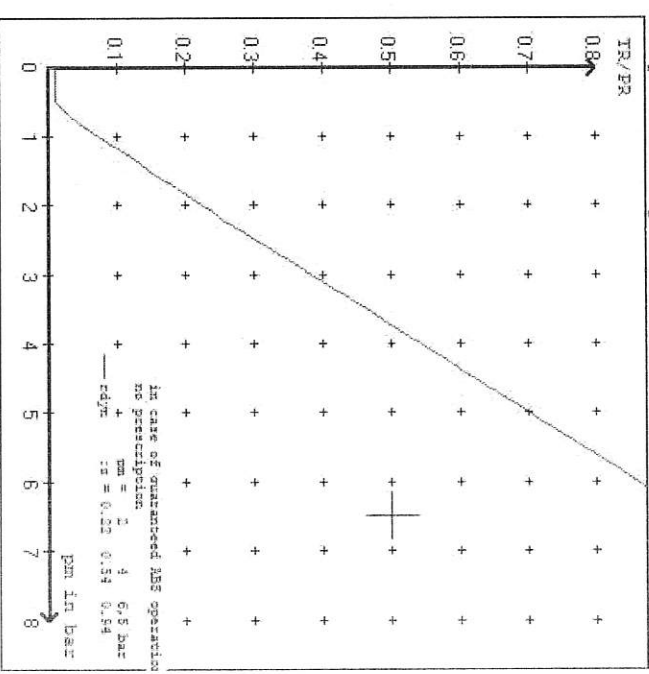
brake chamber pressure unladen



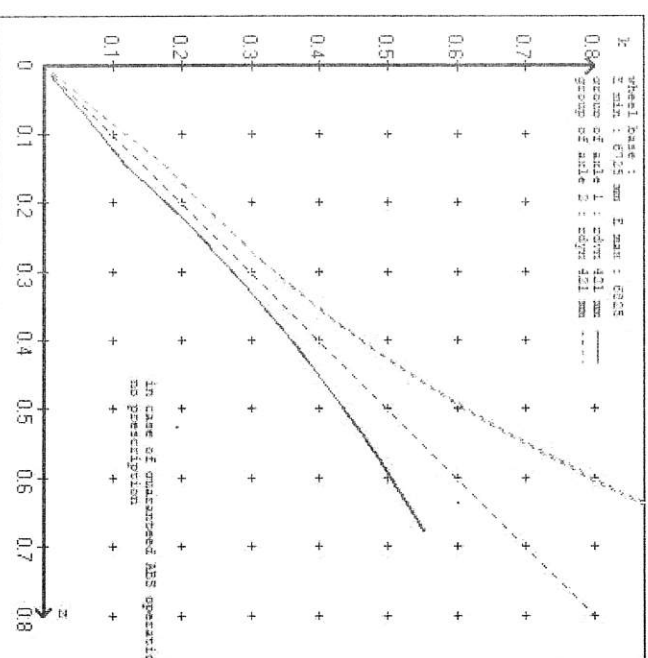
compatibility band laden



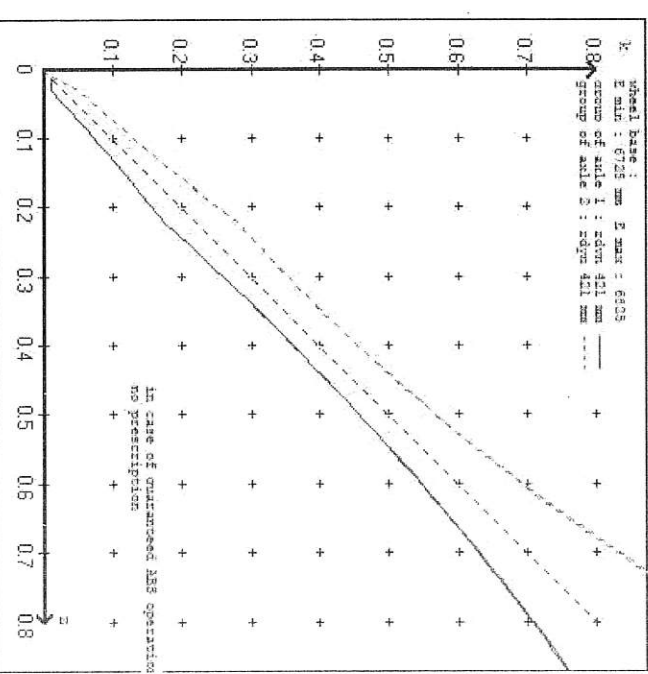
compatibility band unladen



curves of friction laden



curves of friction unladen



In case of unattended ABS operation
no prescription

In case of unattended ABS operation
no prescription

In case of unattended ABS operation
no prescription

wheel base :
E min : 6725 mm E max : 6925
group of axle 1 : edyn 421 mm ---
group of axle 2 : edyn 421 mm ----

pcyl in bar
axle 1
axle 2
axle 3
axle 4
axle 5

wheel base :
E min : 6725 mm E max : 6925
group of axle 1 : edyn 421 mm ---
group of axle 2 : edyn 421 mm ----

TR/PR
pm in bar

pcyl in bar
axle 1
axle 2
axle 3
axle 4
axle 5

μ
z

pm in bar

edgyn
2
4
6/8 bar
μ = 0.19 0.34 0.58

edgyn
2
4
6/8 bar
μ = 0.22 0.54 0.54

vehicle manufacturer: DOMETT TRAILERS
 trailer model : 5AFT TIP C/SIDE
 trailer type : 5-axle-full-trailer

brake chamber and lever length :

axle 1 :	2 x type/diameter	20.	(Meritor)	Lever length 74 mm
axle 2 :	2 x type/diameter	20.	(Meritor)	Lever length 74 mm
axle 3 :	2 x type/diameter	16/24	(Haldex)	Lever length 74 mm
axle 4 :	2 x type/diameter	16/24	(Haldex)	Lever length 74 mm
axle 5 :	2 x type/diameter	16"	(Haldex)	Lever length 74 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 TIP C/SIDE
 trailer type : 5-axle-full-trailer
 brake calculation no. : TP 52524A

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

assignment pm / deceleration z: pm 0.6 bar z = 0.010
 2.0 bar z = 0.145
 (laden condition) 6.5 bar z = 0.580

axle	control pressure pm		brake pr. unladen	axle load laden	control pressure pm		brake pr. laden	6.5	2.0	6.5
	axle load unladen	bellow pr. unladen			bellow pr. laden	brake pr. laden				
1	2300	to be	3.3	8000	to be	0.4	1.5	6.7		
2	2300	entered by	3.3	8000	entered by	0.4	1.5	6.7		
3	1550	the vehicle	2.0	6350	the vehicle	0.5	1.7	4.4		
4	1550	manufact.	2.0	6350	manufact.	0.5	1.7	4.4		
5	1550	.	2.0	6350	.	0.5	1.7	4.4		

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
2300	2300	1550	1550	1550
2800	2800	2050	2050	2050
3300	3300	2550	2550	2550
3800	3800	3050	3050	3050
4300	4300	3550	3550	3550
4800	4800	4050	4050	4050
5300	5300	4550	4550	4550
5800	5800	5050	5050	5050
8000	8000	6350	6350	6350
pcyl	pcyl	pcyl	pcyl	pcyl
3.3	3.3	2.0	2.0	2.0
3.6	3.6	2.3	2.3	2.3
3.9	3.9	2.5	2.5	2.5
4.2	4.2	2.8	2.8	2.8
4.5	4.5	3.0	3.0	3.0
4.8	4.8	3.3	3.3	3.3
5.1	5.1	3.5	3.5	3.5
5.4	5.4	3.8	3.8	3.8
6.7	6.7	4.4	4.4	4.4

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 LGen	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 LGen	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 LGen	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 LGen	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 LGen	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 = 24.4 % Fe
axle 2	(rdyn 421 mm)	T = 24.4 % Fe
axle 3	(rdyn 421 mm)	T = 15.6 % Fe
axle 4	(rdyn 421 mm)	T = 15.6 % Fe
axle 5	(rdyn 421 mm)	T = 15.6 % 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 = 7810 N
axle2	ThA = 7810 N
axle3	ThA = 4161 N
axle4	ThA = 4161 N
axle5	ThA = 4161 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 = 47763 N
axle 2	(rdyn 421 mm)	T = 47763 N
axle 3	(rdyn 421 mm)	T = 25386 N
axle 4	(rdyn 421 mm)	T = 25386 N
axle 5	(rdyn 421 mm)	T = 25386 N

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

basic test	type III
of subject	(calculated)
trailer (E)	residual
	(hot)braking
	0.50

required braking rate
 (items 1.5.3 and 1.7.2 to annex 11)

>= 0,4 and
 >= 0,6*E (0.35)

axle 1	(rdyn 421 mm)	T = 47763 N
axle 2	(rdyn 421 mm)	T = 47763 N
axle 3	(rdyn 421 mm)	T = 25386 N
axle 4	(rdyn 421 mm)	T = 25386 N
axle 5	(rdyn 421 mm)	T = 25386 N

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

basic test	type III
of subject	(calculated)
trailer (E)	residual
	(hot)braking
	0.50

required braking rate
 (items 1.5.3 and 1.7.2 to annex 11)

>= 0,4 and
 >= 0,6*E (0.35)

spring parking brake

	axle 3	axle 4
no of TRISTOP-actuators per axle line KDZ	2	2
TRISTOP-actuator type	16/24	16/24
lever length	74	74
stat. tyre radius	401	401
	rstat max in mm	
at a stroke of	s	in mm
min. force of spring brake	TFZ in N	
sp.brake chamber no Haldex	
sp.brake chamber no Haldex	
release pressure	pls in bar	
	30	30
	6003	6003
	135 162	135 162
	175 162	175 162
	5.2	5.2

calculation:

ratio until road 3.7388 3.7388
 $iFb = lBh * \eta + C * rBt / (rBn * rstat)$
 for rstat in mm 401 401
 brake force of spring br. TF in N 44180 44180
 $TF = (TFZ * KDZ - 2 * Co / lBh) * iFb$
 braking rate zF laden 0.267
 $zF = \text{sum}(TF) / P + 0,01$

Test of the frictional connection required by the parking brake

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

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

min Ef = 5275 mm for E = 6725 mm
 =====
 min Ef = 5344 mm for E = 6825 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 = 2360 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)

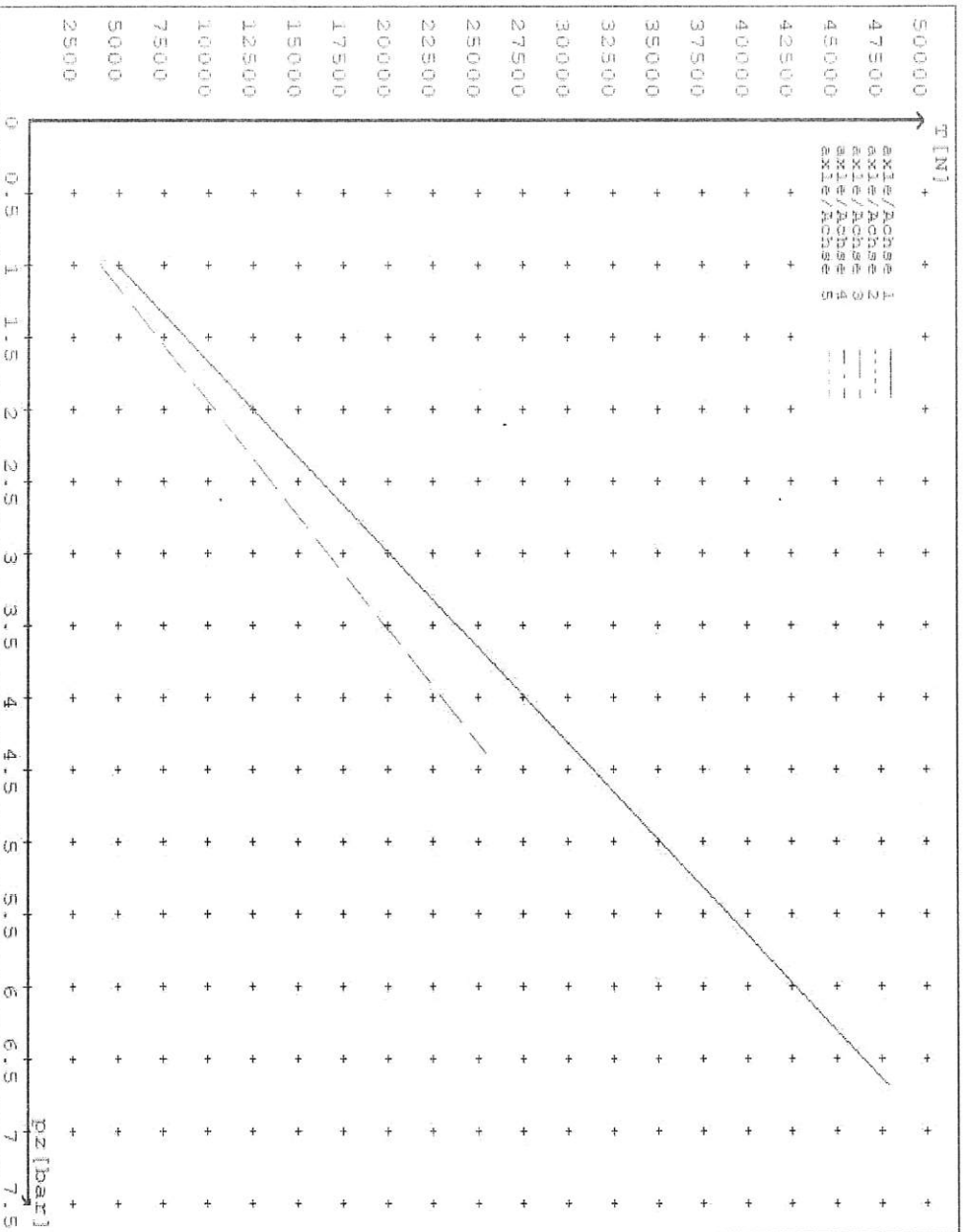
reference values

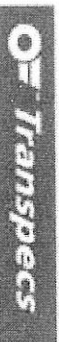
reference values for z = 50% For max rdyn: 421 mm

	pz [bar]	T [N]	T [N]
axle 1	1.0 6.7	4917 47886	
axle 2	1.0 6.7	4917 47886	
axle 3	1.0 4.4		3989 25417
axle 4	1.0 4.4		3989 25417
axle 5	1.0 4.4		3989 25417

VIN - no.:

	Axle(s) / Achse(n)				
brake cylinder type (service / parking)	20. /	20. /	16/24	16/24	16" /
Bremszylinder Typ (Betrieb / Fest)	65	65	65	65	65
Maximum stroke smax = ...mm					
maximaler Hub smax = ...mm					
Lever length = ...mm	74	74	74	74	74
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 32015/5.

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 47.4) 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)



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 32015/5.

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 32015-5
WORKSHEET, PROCEDURE DOCUMENTATION SHEET
& CONFIRMATION OF COMPLIANCE**

CLIENT

MANUFACTURER: DOMETT TRAILERS
ADDRESS: TAURIKURA DRIVE, TAURANGA 3110
FLEET: MCCARTHY TRANSPORT LTD

VEHICLE DETAILS

VEHICLE TYPE: SAFT TIP CURTAINSIDE **CERT #:** JH220620
YEAR: 2022 **CALCULATION #:** TP52524
MAKE: DOMETT **REGO #:** N/A
MODEL: E2301 **LT400 #:** 842361
CHASSIS #: 2212 **ORDER #:** 8620
VIN #: 7A9E23018N2023212

GVW: t 32 **PRIME MOVER:** NORTH AMERICAN
LOAD CONFIGURATION: UNIFORM DENSITY

GROUP RATINGS: t

	FRONT	REAR
WHEEL BASE: <i>m</i>	16	19
	6.775	

UNLADEN COG *m* **MAX HEIGHT *m*** **HEIGHT DECK *m***

	1.41	4.3	1.206
COG: <i>m</i>	2.361		

	FRONT	REAR	TOTAL
TARE: t	4.65	4.7	9.35

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

ROLLING CIRCUMFERENCE: <i>mm</i>	2645	2645
---	------	------

AXLE SPACING: <i>m</i>	1.31	2.51
-------------------------------	------	------

BRAKE & AXLE DETAILS

	MAKE	MODEL	TEST REPORT
AXLE:	ROR_ASSALL_STEFFEN	ROR-CS9 I DISC	361-071-04
POLE WHEEL FRONT:	90	POLE WHEEL REAR:	90
LINING MATERIAL:	ROR 8616	BRAKE FACTOR:	20.26
SENSED AXLE(S):	# 2 + 4	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 & 4	AXLE 5
CHAMBERS:	HALDEX_CHAMBERS	HALDEX_CHAMBERS	HALDEX_CHAMBERS
BRAND:	20, (125 200)	1624 (135 1624)	16, (125 160)
SIZE:	66	65	65
STROKE: mm	BC0175.0	BC0165.0	BC0169.0
TEST REPORT #:	N/A	6.003	N/A
SPRINGBRAKE FORCE: kN	N/A	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)	60 kPa
ECU PART #:	WABCO	480 207 202 0 (12V)	60 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:			

ECU DIRECTION: FRONT REAR **FRONT FRICTION: μ**

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:	N/A	N/A
RIDE HEIGHT mm :	250	250
HANGER HEIGHT mm :	225	225
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
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: 26.04.2022

FILES CREATED & SENT TO CJC: 13.06.2022

FILES RETURNED AS COMPLETE:

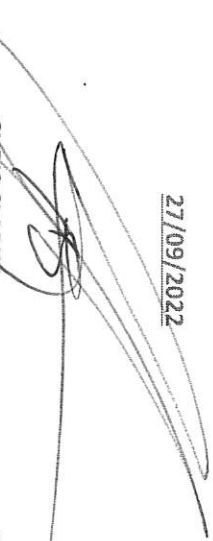
REASON FOR CERTIFICATION: NEW TRAILER BUILD

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 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: 27/09/2022

SIGNED:

CERTIFIER NAME & ID:  CHRIS CLARKE CJC

SODC BY: JOHN HIRST JEH

PHONE (BUS): 09-980-7300

FAX:

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