

# Heavy vehicle specialist certificate

Must be presented to a CoF (heavy) inspecting organisation  
*Heavy vehicle specialist inspector and inspecting organisation*

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

CHRIS CLARKE

ID

CJC

Vehicle registration (*optional*)

VIN/chassis number

7 A 9 E 2 0 0 1 9 G 1 0 2 3 5 4 8

Make

DOMETT TRAILERS

Model (*optional*)

Component being certified:

Certification category

HVEK

Chassis

Load anchorage

Log bolsters

Towing connection

Brakes

SRT

PSV stability

PSV rollover

Swept path

PBS

Description of work

CERTIFY TO SCHEDULE 5 OF LTR 32015/4  
 ROLL STABILITY FUNCTION ACTIVATED

Code/standard/rule certified to

LTR 32015/4

Component load rating(s)

32 Tonnes GVM

General drawing number(s)

N/A

(35 Tonnes (Group ratings))

Supporting documents

BRAKE CODE CERTIFICATE JH161203  
 BRAKE CALCULATION # TP51538

Special conditions (*optional*)

WARNING LAMP MUST ILLUMINATE WHEN IGNITION IS SWITCHED ON & THEN  
EXTINGUISH IMMEDIATELY OR WHEN VEHICLE SPEED EXCEEDS 7 KPH

Certification expiry date (*if applicable*)

NONE UNTIL TRAILER 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*)

Inspector's signature

Inspector's name (PRINT IN CAPS)

ID number

Date

13-Dec-16

Number

572541

CoF vehicle inspector ID

CoF vehicle inspector signature

Date

All fields are mandatory unless otherwise stated.

**WABCO**

## **START-UP PROTOCOL**

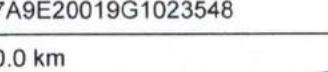
<b>System</b>	Trailer EBS-E	<b>WABCO part number</b>	480 102 080 0
<b>Production date</b>	2016-08-10	<b>Serial number</b>	437002658200D
<b>Serial number (modulator)</b>	000000057625		
<b>Fingerprint Customer EOL / Customer Development / Flash Program</b>	W503643 / 2016-12-13 ; 00000000 / 0000-00-00 ; 00000000 / 0000-00-00		

WABCO		TRAILER EBS-E				GGVS/ADR TUEH TB 2007 - 019.00 TDB0749							
HERSTELLER MANUFACTURER CONSTRUCTEUR	DOMETT TRAILERS												
TYP TYPE TYPE	5AFT CURTAININSIDE												
FAHRZEUG IDENTNR. CHASSIS NUMBER NUMERO DE CHASSIS	7A9E20019G1023548												
BREMSBERECHNUNGS-NR. BRAKE CALCULATION NO. CALCUL DE FREINAGE NO.	TP51538A												
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 RSS	Einfachbereifung Single Tire Monte simple	X	Lenkachse Steering axle Essieu virant										
	Zwillingsbereifung Twin Tire Monte jumelée		Kippkritisches Fahrzeug Critical Trailer Véhicule critique										
Subsystems	SB	I/O	24N										
	pm (bar)	6.5	pm (bar)	0.8	2.0	---	6.5						
ACHSE AXLE ESSIEU													
1	1600	0.7	1.6	8000	5.1	0.4	1.4	---	5.8				
2	1600	0.7	1.6	8000	5.1	0.4	1.4	---	5.8				
3	1400	0.5	1.4	6400	4.0	0.3	1.4	---	4.9				
4	1400	0.5	1.4	6400	4.0	0.3	1.4	---	4.9				
5	1400	0.5	1.4	6400	4.0	0.3	1.4	---	4.9				

TEBS-E

<b>Diagnostic memory</b>	OK	<b>Warning lamp control</b>	OK
<b>Parameter setting</b>	carried out	<b>Stop light power supply</b>	OK
<b>EBS pressure test</b>	OK	<b>Lifting axle test</b>	Not tested
<b>Redundancy test</b>	OK	<b>ECAS height sensor calibration</b>	Not tested
<b>ABS sensor assignment</b>	OK	<b>Height sensor axle load</b>	Not tested
<b>RTR check</b>	Not tested	<b>Leak test</b>	Not tested
<b>Immobilizer test</b>	Not tested	<b>Signal outputs</b>	Not tested
<b>Signal inputs</b>	Not tested	<b>Tag axle test</b>	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	7A9E20019G1023548
Vehicle type	5AFT CURTAININSIDE	Odometer reading	0.0 km
next Service	0 km	Trip reading	0.0 km
Tester	Chris Clarke	Signature	
Date	2016-12-13 3:25:04 p.m.		

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 (V6.14.04.20).  
 -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 recommend to do a braking harmonisation!  
 WABCOWBrake V6.14.04.20 db 20.04.2016

distribution: DOMETT TRAILERS  
 7A9E20019G1023548  
 SODC: JH161203  
 LT400: CJC 572541

vehicle manufacturer: DOMETT TRAILERS  
 trailer model : 5AFT CURTAININSIDE  
 trailer type : 5-axle-full-trailer  
 remarks : air / hydraulic / VA suspension  
 WABCO TRAILER - EBS  
 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,

			<u>unladen</u>	<u>laden</u>
total mass	P in kg		7400	35200
axle 1	P1 in kg		1600	8000
axle 2	P2 in kg		1600	8000
axle 3	P3 in kg		1400	6400
axle 4	P4 in kg		1400	6400
axle 5	P5 in kg		1400	6400
wheel base	E in mm	7710 -	7710	
centre of gravity height	h in mm		1090	2062

		<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	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 122.1	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	LBh in mm	69	69	69	69	69
brake factor	[ - ]	23.03	23.03	23.03	23.03	23.03
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	2.3	2.3	2.1	2.1	2.1
chamber pressure(rdyn max)pH at z=22,5%bar	2.3	2.3	2.1	2.1	2.1
chamber press.(servo)pcha at pm6,5bar bar	5.8	5.8	4.9	4.9	4.9
piston force ThA at pm6,5bar N	6702	6702	4686	4686	4686
brake force(rdyn min)T lad. at pm6,5bar N	50778	50778	35386	35386	35386
brake force(rdyn max)T lad. at pm6,5bar N	50778	50778	35386	35386	35386
brake force within 1 % rolling friction proportion	%	22.3	22.3	18.5	18.5

braking rate z laden  
 z = sum (TR)/PRmax

0.602 for rdyn min  
 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: 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

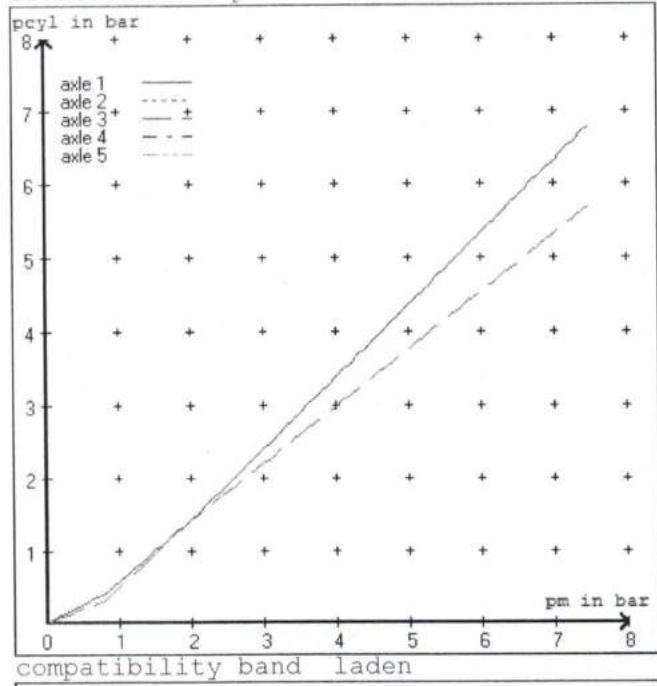
valve 2: 480 102 ... 0 WABCO

EBS trailer modulator

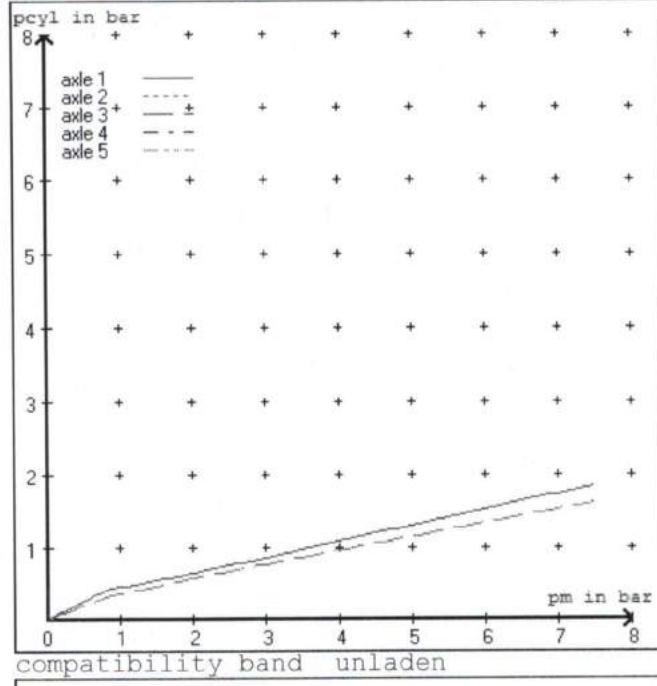
brake cylinder: Meritor 14HSCLD64

test type III (zIII = 0.30) for rdyn min : axle1 axle2 axle3 axle4 axle5  
at pm 3.6 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

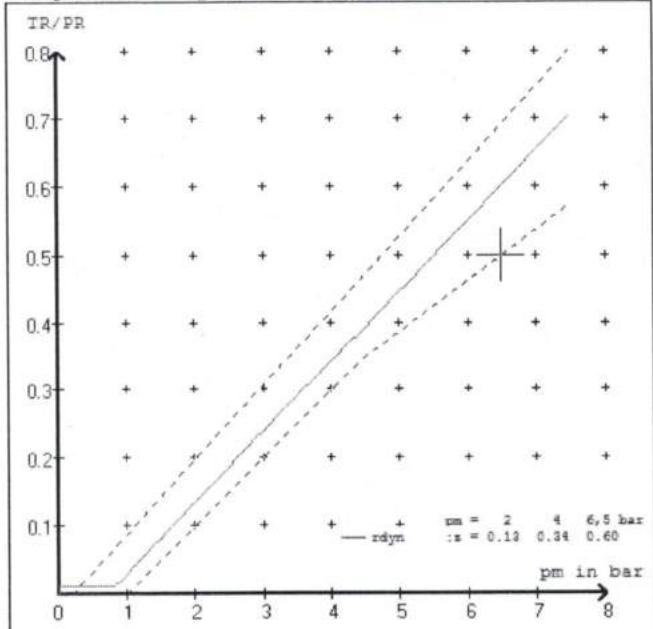
## brake chamber pressure laden



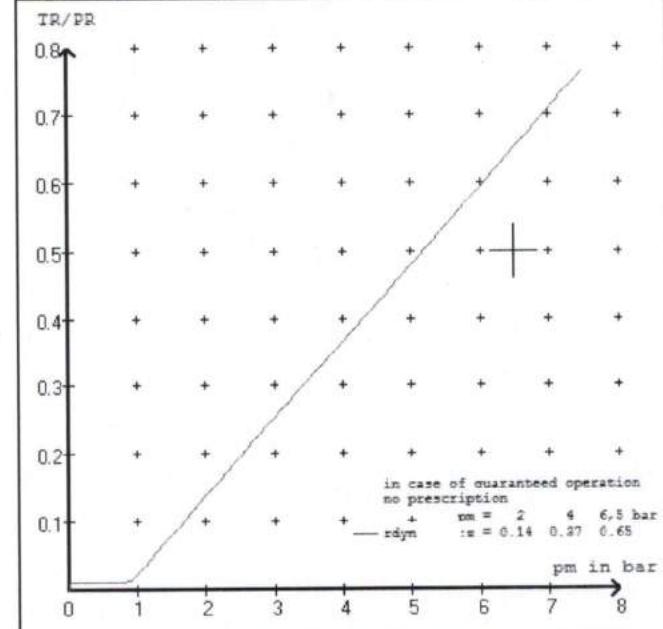
## brake chamber pressure unladen



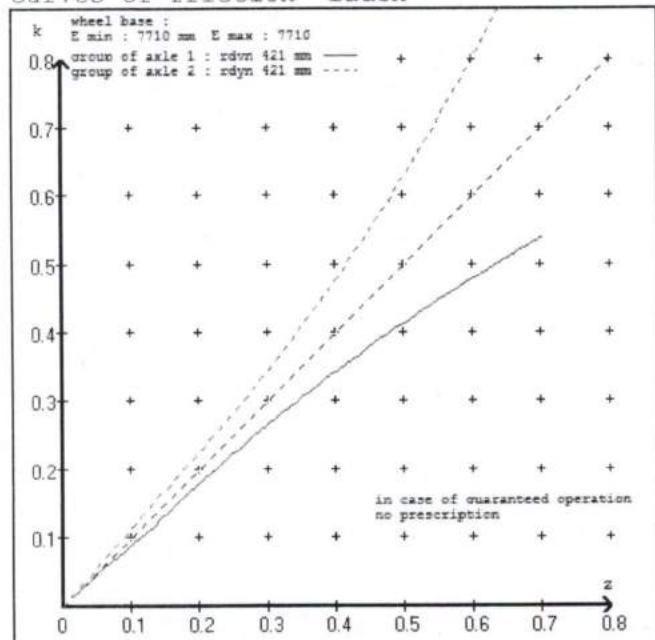
## TR/PR laden



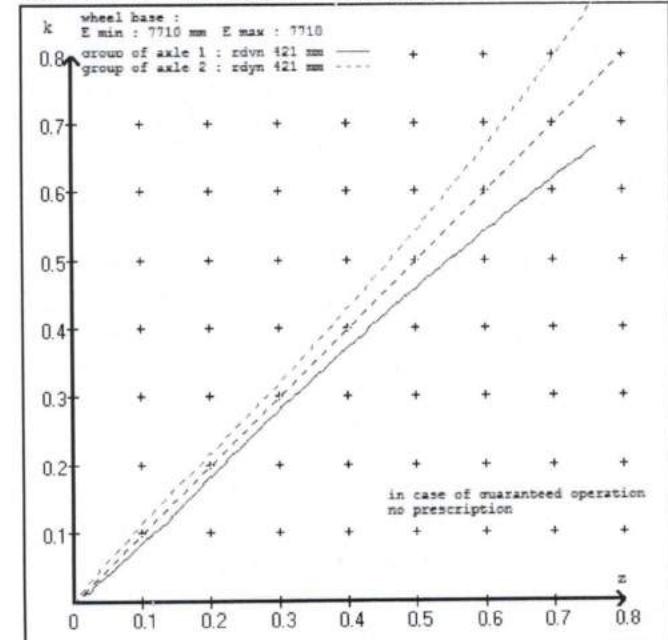
## TR/PR unladen



## curves of friction laden



## curves of friction unladen



vehicle manufacturer: DOMETT TRAILERS  
 trailer model : 5AFT CURTAININSIDE  
 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	: 5AFT CURTAININSIDE
trailer type	: 5-axle-full-trailer
brake calculation no.	: TP 51538A
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
(laden condition)	2.0 bar z = 0.134
	6.5 bar z = 0.600

		control pressure pm	6,5	control pressure pm		0.8	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 entered by the vehicle manufact.	1.6	8000	to be entered by the vehicle manufact.	0.4	1.4	5.8
2	1600		1.6	8000		0.4	1.4	5.8
3	1400		1.4	6400		0.3	1.4	4.9
4	1400		1.4	6400		0.3	1.4	4.9
5	1400		1.4	6400		0.3	1.4	4.9

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				
1600	1.6	1600	1.6	1400
2100	1.9	2100	1.9	1900
2600	2.3	2600	2.3	2400
3100	2.6	3100	2.6	2900
3600	2.9	3600	2.9	3400
4100	3.2	4100	3.2	3900
4600	3.6	4600	3.6	4400
5100	3.9	5100	3.9	4900
8000	5.8	8000	5.8	6400

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 = 24.3 % Fe
axle 2	(rdyn 421 mm)	T = 24.3 % Fe
axle 3	(rdyn 421 mm)	T = 18.3 % Fe
axle 4	(rdyn 421 mm)	T = 18.3 % Fe
axle 5	(rdyn 421 mm)	T = 18.3 % 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 = 6702 N
axle2	ThA = 6702 N
axle3	ThA = 4686 N
axle4	ThA = 4686 N
axle5	ThA = 4686 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 = 39670 N
axle 2	(rdyn 421 mm)	T = 39670 N
axle 3	(rdyn 421 mm)	T = 27691 N
axle 4	(rdyn 421 mm)	T = 27691 N
axle 5	(rdyn 421 mm)	T = 27691 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)  $\geq 0,4$  and  
 $\geq 0,6 \cdot E$  (0.36)

axle 1	(rdyn 421 mm)	T = 39670 N
axle 2	(rdyn 421 mm)	T = 39670 N
axle 3	(rdyn 421 mm)	T = 27691 N
axle 4	(rdyn 421 mm)	T = 27691 N
axle 5	(rdyn 421 mm)	T = 27691 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 0.47

required braking rate  $\geq 0,4$  and  
(items 1.5.3 and 1.7.2 to annex 11)  $\geq 0,6 \cdot E$  (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	1Bh in mm	69	69
stat. tyre radius	rstat max in mm	401	401
at a stroke of	s in mm	30	30
min. force of spring brake	TFZ in N	6200	6200
sp.brake chamber no Meritor.....		4	4
release pressure	pLs in bar	4.5	4.5

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 laden	0.289	
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

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

$$\text{min Ef} = 5850 \text{ mm} \quad \text{for } E = 7710 \text{ mm}$$

$$\text{min Ef} = 5850 \text{ mm} \quad \text{for } E = 7710 \text{ mm}$$

min Ef =	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 = 2062 mm	height of center of gravity - laden
PR = 19200 kg	maximum bogie mass - laden
P = 35200 kg	maximum total mass - laden
nf = 2	no. of axle(s) with TRISTOP spring brake actuators
ng = 3	no. of bogie axle(s)

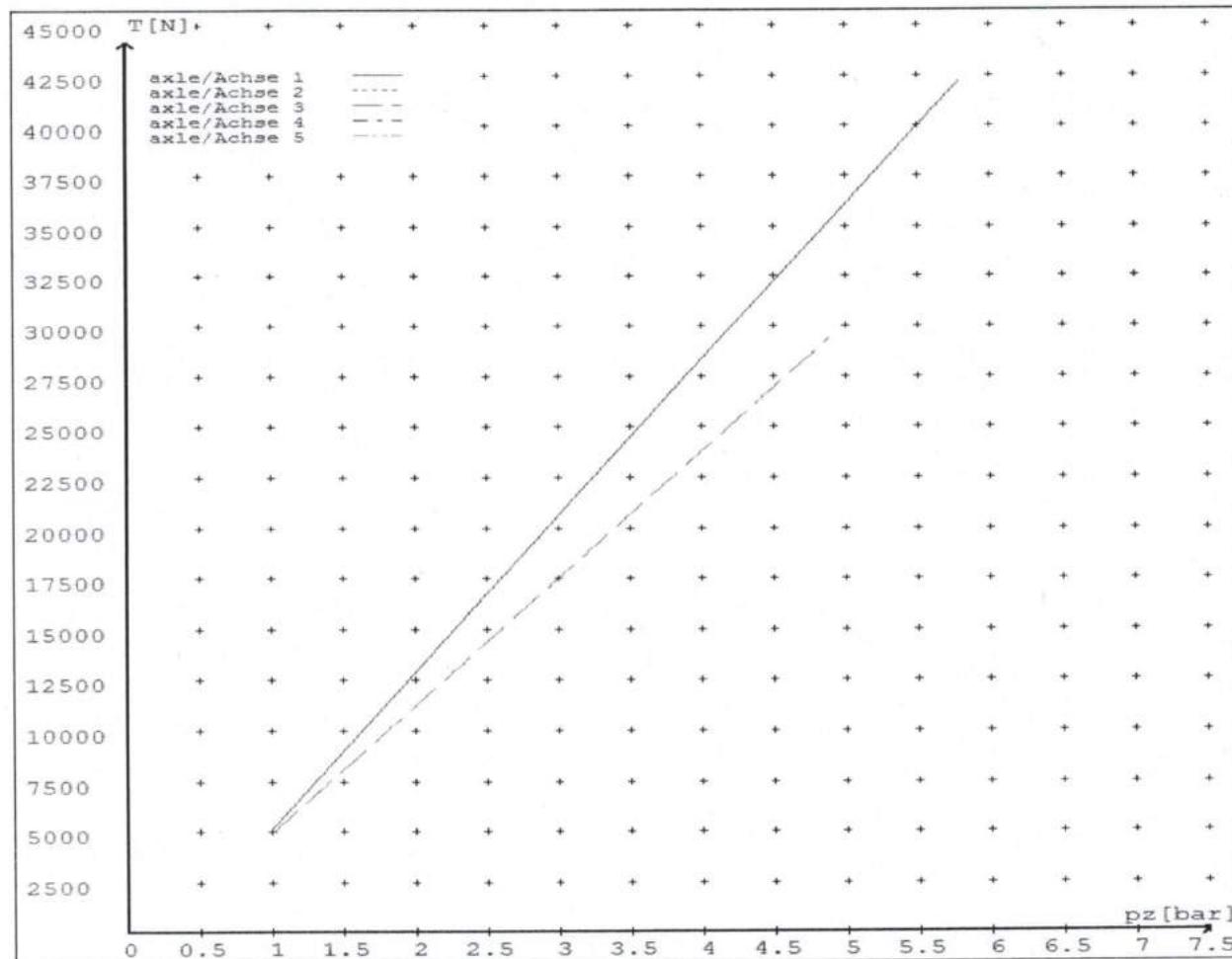
**reference values**

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

	pz [bar]	T [N]	T [N]
axle 1	1.0	5053	
	5.8	42174	
axle 2	1.0	5053	
	5.8	42174	
axle 3	1.0		4860
	4.9		29390
axle 4	1.0		4860
	4.9		29390
axle 5	1.0		4860
	4.9		29390

VIN - no.:

	Axe(s) / Achse(n)				
brake cylinder type (service / parking) Bremszylinder Typ (Betrieb / Fest)	20./	20./	T.14/24	T.14/24	14./
Maximum stroke smax = ....mm maximaler Hub smax = ....mm	65	65	64	64	64
Lever length = ....mm Hebellänge = ....mm	69.08	69.08	69.08	69.08	69.08



## **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 32015/4.**

**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 32015/4. 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 a 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**

(p.p.).....  
(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 32015/4, 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.**

(p.p.)  
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 32015/4.

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.**

(p.p.)  
J E Hirst  
(JEH HVEK)  
(09 980 7300)





HEAVY VEHICLE BRAKE RULE  
32015/4 WORKSHEET  
(PROCEDURE DOCUMENTATION SHEET-PDS)  
&  
CONFIRMATION OF COMPLIANCE

CERTIFICATE NO.

JH161203

CUSOMER NAME

DOMETT TRUCK & TRAILER

CUSTOMER ORDER NO.

4687

DATE RECEIVED

13-Dec-16

VEHICLE TYPE

CURTAININSIDE

VIN/ CHASSIS NO.

7A9E20019G1023548

**BRIEF SPECIFICATION AS CERTIFIED TO SCHEDULE 5**

<u>BRAKE VALVES</u>	<u>MAKE</u>	<u>TYPE</u>
PRIMARY RELAY	WABCO	480 102 080 0
SECONDARY RELAY	WABCO	480 207 202 0
YARD RELEASE VALVE	WABCO	971 002 900 0
PARK BRAKE VALVE	WABCO	971 002 900 0
<u>SUSP. VALVES [WABCO]</u>	<u>FRONT</u>	<u>REAR</u>
CONTROL	441 044 101 0	N/A
DISTANCE SENSOR	464 008 011 0	464 008 011 0

**OTHER VALVES:**

MAKE:	WABCO	TYPE:	461 513 002 0	SETTING:	5.5 Bar
MAKE:	WABCO	TYPE:	446 192 110 0	SETTING:	SMARTBOARD
MAKE:		TYPE:		SETTING:	
MAKE:		TYPE:		SETTING:	

<u>BRAKE CHAMBERS:</u>	<u>AXLE 1 &amp; 2</u>	<u>AXLE 3 &amp; 4</u>	<u>AXLE 5</u>
<b>MAKE</b>	TSE	TSE	TSE
<b>SIZE</b>	20HSCLD65	1416HTLD64	14HSCLD64
<b>MAX STROKE (mm)</b>	65	64	64
<b>SLACK LENGTH (mm)</b>	69	69	69
 <b>DRUM TYPE:</b>	N/A	N/A	N/A
		<b>OR</b>	
 <b>BRAKE CALIPER:</b>	SBW 1937	SBW 1937	SBW 1937
 <b>FRICITION MATERIAL:</b>	<input checked="" type="checkbox"/> OEM	<input type="checkbox"/> AFTERMARKET	
<u>LINING BRAND</u>	<u>AXLE 1 &amp; 2</u>	<u>AXLE 3 &amp; 4</u>	<u>AXLE 5</u>
	JURID 539	JURID 539	JURID 539
 <b>OTHERS:</b>			
<b>TYRES:</b>	<b>FRONT</b>	<b>REAR</b>	
	265 70 R 19.5	265 70 R 19.5	
 <b>BRAKE CALCULATION #:</b>	TP51538		
 <b>COMMENTS:</b>			
EBS, SPECIAL CONDITIONS APPLY. SEE INSTRUCTIONS ON LT400 #			
<b>SALES ORDER #:</b>	S0591212	<b>PROCESS TIME:</b>	1 HOUR
<b>TRAILERS EQUIPPED WITH PREV:</b> THE PARK BRAKE PERFORMANCE <b>MUST BE</b>			
MEASURED BY PULLING THE RED ACTUATION KNOB ON THE PREV VALVE WHEN			
THE AXLES - EQUIPPED WITH SPRING BRAKES - ARE IN THE BRAKE ROLLERS. THE			
PARK BRAKE IN THE CAB <b>MUST NOT BE APPLIED.</b>			
 <b>NOTES:</b>			
<b>CHAMBERS &amp; PARK BRAKE PERFORMANCE:</b>			
BRAKE CALCULATION TP51538 USES THE TSE1424HTLD TO DETERMINE THE SERVICE BRAKE			
PERFORMANCE & THE TSE1616HTLD64 TO MEASURE THE PARK BRAKE PERFORMANCE OF AXLES			
3 & 4. THE ACTUAL CHAMBER USED (TSE1416HTLD64) IS NOT AVAILABLE IN THE WABCO			
BRAKE CALCULATOR.			

## CONFORMATION OF COMPLIANCE

I CONFIRM THAT THE VEHICLE IDENTIFIED IN PAGES 1 AND 2 OF THIS CONFORMATION OF COMPLIANCE COMPLIES WITH ALL RELEVANT REQUIREMENTS OF THE CURRENT NEW ZEALAND HEAVY VEHICLE BRAKE RULE 32015/4, SCHEDULE 5.

DATE: 13-Dec-16

SIGNED: (pp)

NAME & ID: J HIRST (JEH)

PHONE (BUS): 09 980 7300

FAX (BUS) 09 980 7306

POSTAL ADDRESS: TRANSPORT SPECIALTIES LTD  
PO BOX 98-971,  
MANUKAU CITY,  
MANUKAU 2241

POSITION: BRAKE CERTIFIER HVEK

I CONFIRM THE BRAKE SYSTEM OF THE VEHICLE IDENTIFIED IN PAGE 1 OF THIS STATEMENT OF COMPLIANCE AS MODIFIED BY MYSELF, CONTINUES TO COMPLY WITH ALL THE RELIANT REQUIREMENTS OF THE CURRENT NEW ZEALAND HEAVY BRAKE RULE 32015/4 SCHEDULE 5.

DATE: SIGNED:

NAME:

CERTIFIERS ID: POSITION:

PHONE (BUS): FAX (BUS):

COMMENTS:

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