

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*

VIN/Chassis Number

7A9E25015F1023431

Component being certified:

Chassis

Load Anchorage

Log Bolsters

Towing Connection

Brakes

SRT

PSV Stability

PSV Rollover

Swept Path

PBS

Certification Category

HVEK

Description of Work

CERTIFY TO SCHEDULE 5

ROLL STABILITY FUNCTION ACTIVATED

Code/Standard/Rule Certified to

HVBR 32015/3 Schedule 5

Component Load Rating(s)

32000KG

General Drawing Number(s)

N/A

Supporting Documents

BRAKE RULE CERTIFICATE - CJC153483

Special Conditions*

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

Certification Expiry Date (if applicable)

N/A

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)

CHRIS CLARKE

ID Number

CJC

Date

23-Nov-15

Number

531383

CoF Vehicle Inspector ID

CoF Vehicle Inspector Signature

Date

All fields excluding those marked with * must be completed before this certificate can be accepted.

WABCO**START-UP PROTOCOL**

System	Trailer EBS-E	WABCO part number	480 102 080 0
Production date	2015-07-02	Serial number	437001480100N
Serial number (modulator)	000000041018		
Fingerprint Customer EOL / Customer Development / Flash Program	W503643 / 2015-11-23 ; 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			GIO	Pin1	Pin3	Pin4									
Typ Type TYPE	5AFT STOCK			1	24V-O1	---	---									
FAHRZEUG IDENTNR. CHASSIS NUMBER NUMERO DE CHASIS	7A9E25015F1023431			2	---	---	---									
BREMSBERECHNUNGS-NR. BRAKE CALCULATION NO. CALCUL DE FREINAGE NO.	TP51338A			3	ALS2	ALS2	---									
POLRADZAHNEZAHL c-d e-f POLE WHEEL TEETH c-d e-f DENTS ROUE DENTÉE c-d e-f	90	90	ABS-System ABS system Système ABS	4	---	---	---									
RSS RSS RSS	Einfachbereifung Single Tire Monte simple	Lenkachse Steering axle Essieu virant	5	DIAG	DIAG	DIAG	DIAG									
	Zwillingsbereifung Twin Tire Monte jumelée	X Kippkritisches Fahrzeug Critical Trailer Véhicule critique	6	---	---	---	---									
			7	---	---	---	---									
Subsystems	SB	I/O	24N													
ACHSE AXLE ESSIEU				pm (bar)	6.5	pm (bar)	0.8	2.0	---	6.5	TYP TYPE	(mm)	(mm)	(bar)	1.0	Pz
1	2600	1.2	2.7	8000	5.0	0.4	1.4	---	6.7	-	18	65	69	511	4667	
2	2600	1.2	2.7	8000	5.0	0.4	1.4	---	6.7	-	18	65	69	511	4667	
3	1700	0.7	1.5	6400	4.0	0.3	1.4	---	4.3	-	14 / 16	64	69	501	2645	
4	1700	0.7	1.5	6400	4.0	0.3	1.4	---	4.3	-	14 / 16	64	69	501	2645	
5	1700	0.7	1.5	6400	4.0	0.3	1.4	---	4.3	-	14	64	69	501	2645	

TEBS-E

Diagnostic memory	OK	Warning lamp control	OK
Parameter setting	carried out	Stop light power supply	OK
EBS pressure test	Not tested	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 check	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	7A9E25015F1023431
Vehicle type	5AFT STOCK	Odometer reading	0.0 km
next Service	0 km	Trip reading	0.0 km
Tester	Chris Clarke		
Date	2015-11-23 10:40:51 a.m.	Signature	

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

distribution: DOMETT TRAILERS
 7A9E25015F1023431
 SODC: JH151125
 LT400: CJC 531383

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!
 WABCOBrake V6.14.04.20 db 08.07.2014

vehicle manufacturer: DOMETT TRAILERS
 trailer model : 5AFT STOCK
 trailer type : 5-axle-full-trailer
 remarks : air / hydraulic / VA suspension
 WABCO TRAILER - EBS
 TRISTOP 3+4: T.14/24 (TSE 1416HTLD64 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	10300	35200
axle 1	P1 in kg	2600	8000
axle 2	P2 in kg	2600	8000
axle 3	P3 in kg	1700	6400
axle 4	P4 in kg	1700	6400
axle 5	P5 in kg	1700	6400
wheel base	E in mm	6490 - 6500	
centre of gravity height	h in mm	1050	2238

		<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		18.	18.	T.14/24	T.14/24	14.
lever length	1Bh 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	2.5	2.5	2.0	2.0	2.0
chamber pressure(rdyn max)pH at z=22,5%bar	2.5	2.5	2.0	2.0	2.0
chamber press.(servo)pcha at pm6,5bar bar	6.7	6.7	4.3	4.3	4.3
piston force ThA at pm6,5bar N	7185	7185	4085	4085	4085
brake force(rdyn min)T lad. at pm6,5bar N	54427	54427	30842	30842	30842
brake force(rdyn max)T lad. at pm6,5bar N	54427	54427	30842	30842	30842
brake force within 1 % rolling friction proportion	%	21.2	21.2	19.2	19.2

braking rate z laden	0.583	for rdyn min
z = sum (TR)/PRmax	0.583	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 18HSCLD64

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 18HSCLD64

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

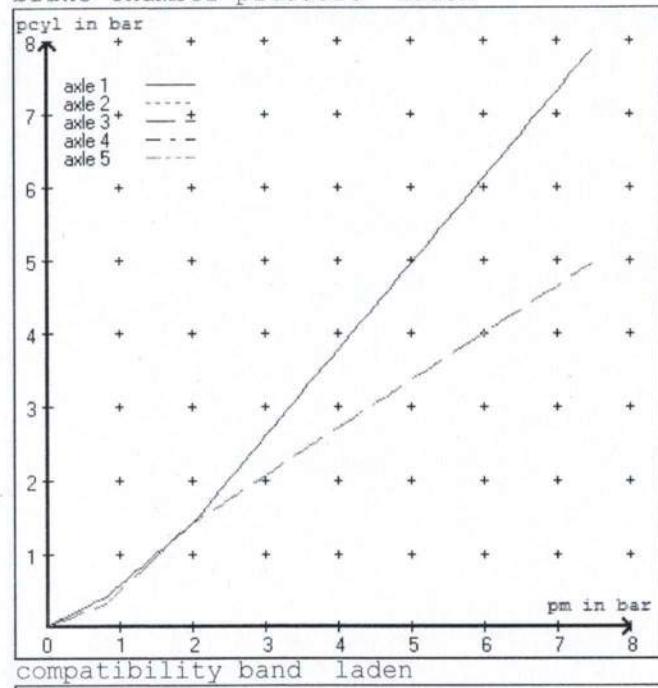
valve 2: 480 102 ... 0 WABCO

EBS trailer modulator

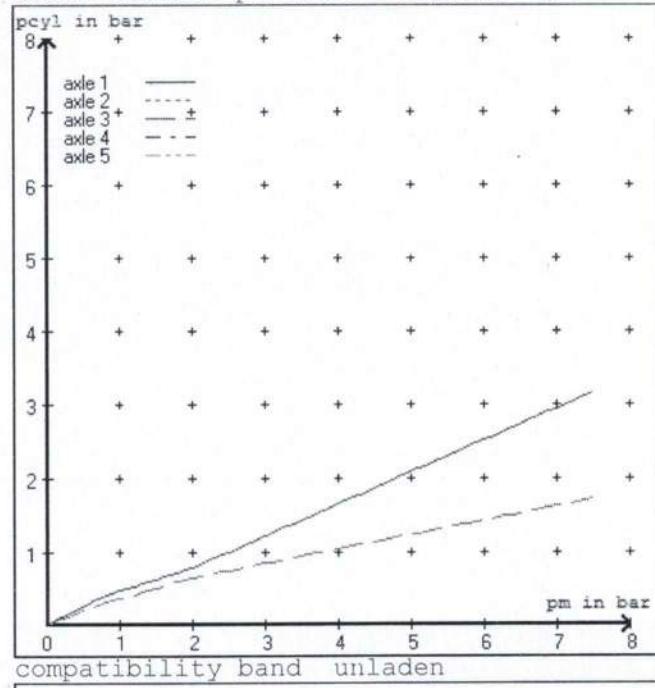
brake cylinder: Meritor 14HSCLD64

test type III (z_{III} = 0.30) for rdyn min : axle1 axle2 axle3 axle4 axle5
at pm 3.7 bar => pcha in bar : 3.4 3.4 2.5 2.5 2.5
test type III (z_{III} = 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

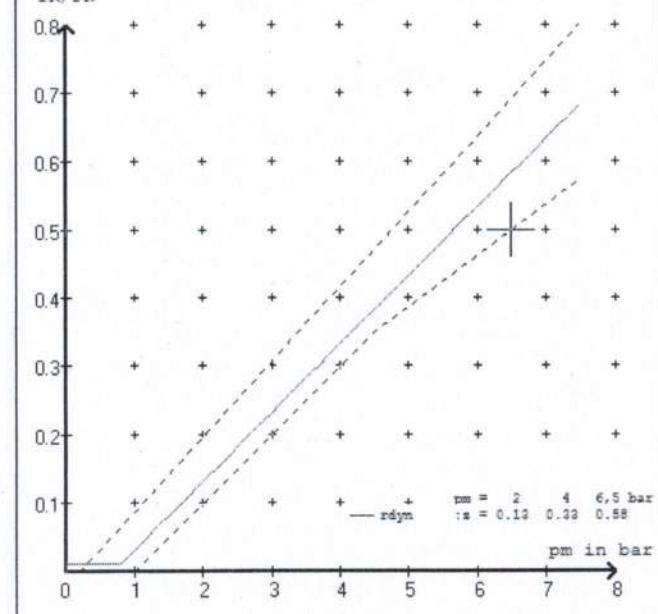
brake chamber pressure laden



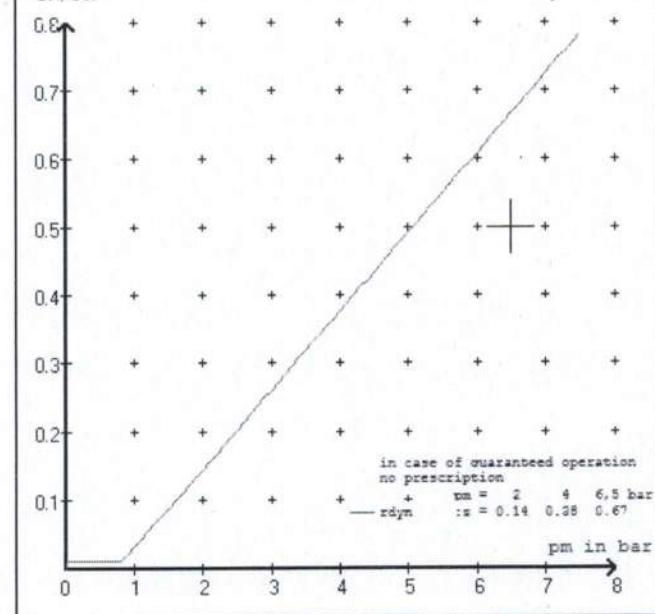
brake chamber pressure unladen



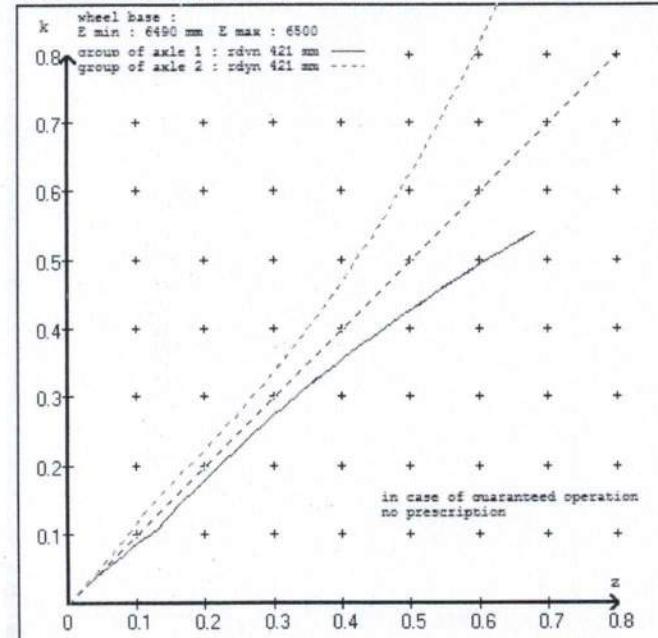
TR/PR



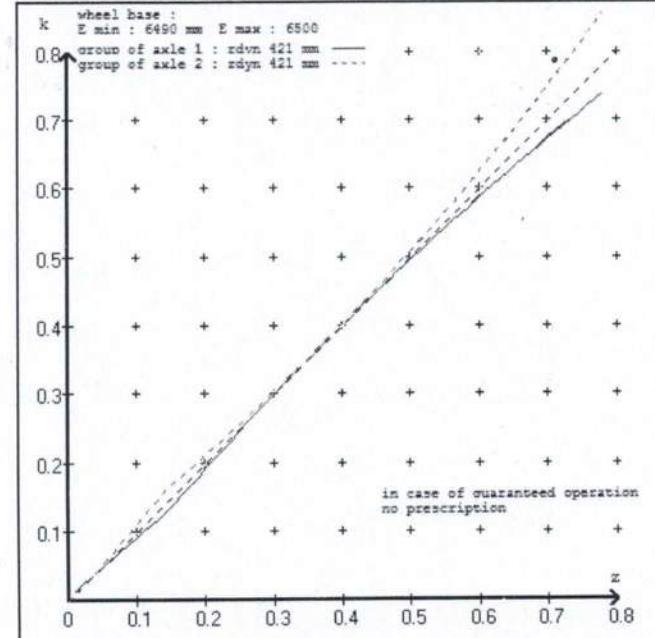
TR/PR



curves of friction laden



curves of friction unladen



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

brake chamber and lever length :

axle 1 :	2 x type/diameter	18. (Meritor)	lever length 69 mm
axle 2 :	2 x type/diameter	18. (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 STOCK
 trailer type : 5-axle-full-trailer
 brake calculation no. : TP 51338A

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 = 0.130
 6.5 bar z = 0.580

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	2600	to be entered by the vehicle manufact.	2.7	8000	to be entered by the vehicle manufact.	0.4	1.4	6.7	
2	2600		2.7	8000		0.4	1.4	6.7	
3	1700		1.5	6400		0.3	1.4	4.3	
4	1700		1.5	6400		0.3	1.4	4.3	
5	1700		1.5	6400		0.3	1.4	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.

axle 1	axle 2	axle 3	axle 4	axle 5
axle load pcyl				
2600	2.7	2600	2.7	1700
3100	3.1	3100	3.1	2200
3600	3.4	3600	3.4	2700
4100	3.8	4100	3.8	3200
4600	4.2	4600	4.2	3700
5100	4.6	5100	4.6	4200
5600	4.9	5600	4.9	4700
6100	5.3	6100	5.3	5200
8000	6.7	8000	6.7	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 = 26.2 % Fe
axle 2	(rdyn 421 mm)	T = 26.2 % Fe
axle 3	(rdyn 421 mm)	T = 17.1 % Fe
axle 4	(rdyn 421 mm)	T = 17.1 % Fe
axle 5	(rdyn 421 mm)	T = 17.1 % 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 $p_m = 6,5$ bar (however max. $p_{cha} = 7,0$ bar)

axle1	ThA = 7185 N
axle2	ThA = 7185 N
axle3	ThA = 4085 N
axle4	ThA = 4085 N
axle5	ThA = 4085 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 = 42502 N
axle 2	(rdyn 421 mm)	T = 42502 N
axle 3	(rdyn 421 mm)	T = 24166 N
axle 4	(rdyn 421 mm)	T = 24166 N
axle 5	(rdyn 421 mm)	T = 24166 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) 0.58 (hot)braking 0.46

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

axle 1	(rdyn 421 mm)	T = 42502 N
axle 2	(rdyn 421 mm)	T = 42502 N
axle 3	(rdyn 421 mm)	T = 24166 N
axle 4	(rdyn 421 mm)	T = 24166 N
axle 5	(rdyn 421 mm)	T = 24166 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) trailer (E) residual
(hot)braking

required braking rate $\geq 0,4$ and
(items 1.5.3 and 1.7.2 to annex 11) $\geq 0,6 \cdot E$ ($0,35$)

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	6160	6160
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

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

$$\text{min Ef} = 5061 \text{ mm} \quad \text{for } E = 6490 \text{ mm}$$

=====

$$\text{min Ef} = 5068 \text{ mm} \quad \text{for } E = 6500 \text{ mm}$$

=====

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 =	2238 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)

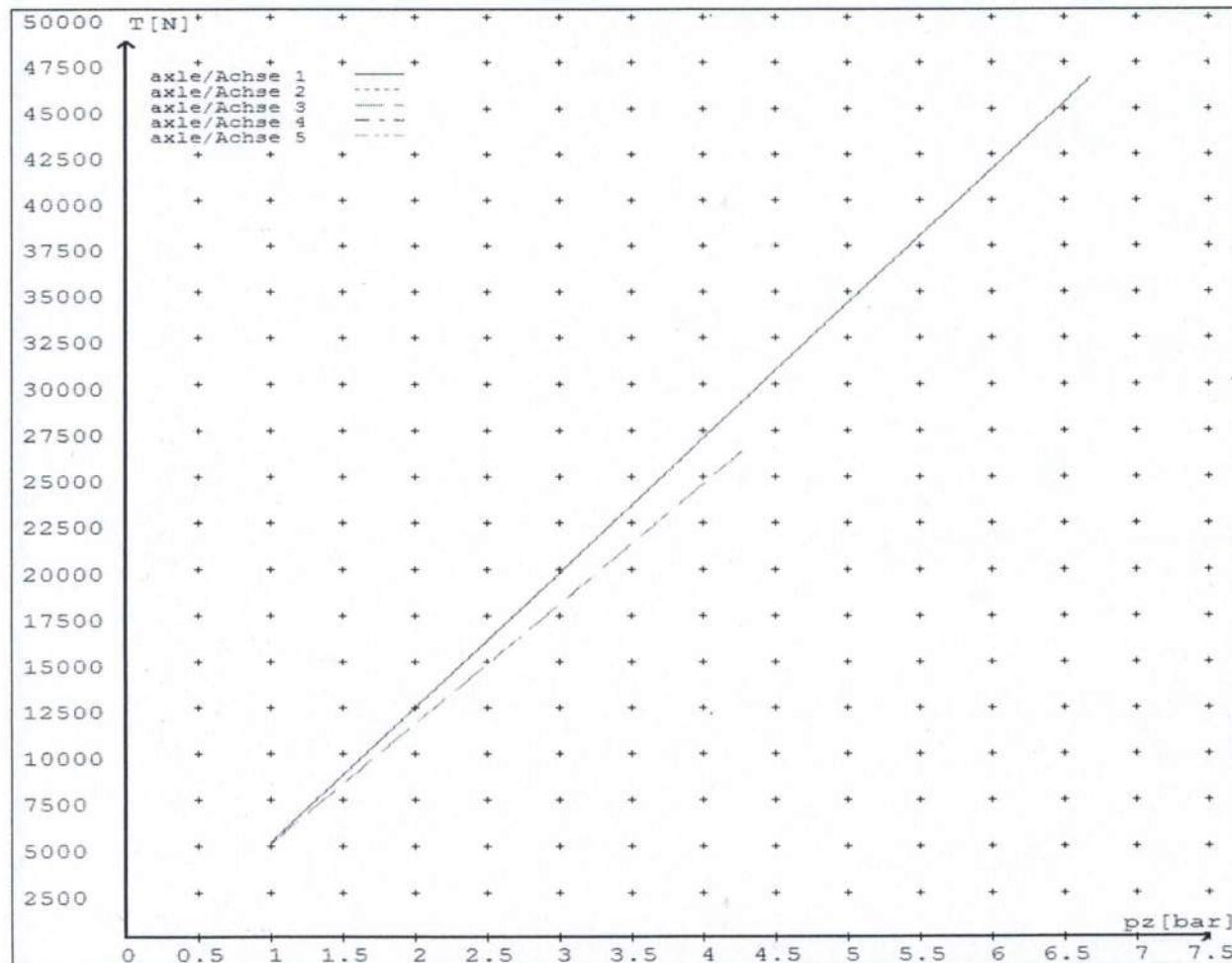
reference values

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

	pz [bar]	T [N]	T [N]
axle 1	1.0	5114	
	6.7	46679	
axle 2	1.0	5114	
	6.7	46679	
axle 3	1.0		5018
	4.3		26451
axle 4	1.0		5018
	4.3		26451
axle 5	1.0		5018
	4.3		26451

VIN - no.:

	Axe(s) / Achse(n)				
brake cylinder type (service / parking) Bremszylinder Typ (Betrieb / Fest)	18./	18./	T.14/24	T.14/24	14./
Maximum stroke smax = ...mm maximaler Hub smax =mm	64	64	64	64	64
Lever length =mm Hebellänge =mm	69.08	69.08	69.08	69.08	69.08



HVBR WORKSHEET
(PROCEDURE & COMPLIANCE DOCUMENTATION SHEET)

CERTIFICATE No.

JH151125

CUSTOMER NAME

DOMETT TRAILERS LTD

CUSTOMER ORDER No.

4474

DATE RECEIVED

August 2015

VEHICLE TYPE

5 AXLE FULL TRAILER

REG No.

CHASSIS No.

7A9E25015F1023431

BRIEF SPECIFICATION AS CERTIFIED TO HVBR

BRAKE CHAMBERS:

Ax #	Make/model	Max stroke	Lever length
1&2	TSE 18HSCLD65	65 mm	69 mm
3&4	TSE 1416HTLD64	64 mm	69 mm
5	TSE 14HSCLD64	64 mm	69 mm

BRAKE SYSTEM: WABCO EBS : RSS ACTIVATED

TEST POINTS FITTED: 3 4 5 7

FRICTION LINING: OEM Aftermarket
(All) Lining Brand JURID 539

EBS CONTROL: SPECIAL CONDITIONS APPLY – SEE INSTRUCTION ON LT400:

VALVES: AS PER BRAKE CALCULATION TP51338 & SO208343

TYRE SIZE: 265 70 R 19.5

NOTES

PACKING SLIP NO.

SO208343

PROCESS TIME:

1

BRAKE CALC #TP51338. THE MERITOR CHAMBERS ARE THE TSE VARIANT. THE 1424HTLD64 IN THE CALC ARE USED TO DETERMINE THE SERVICE BRAKE PERFORMANCE. 1616HTLD64 ARE USED TO DETERMINE THE PARK BRAKE PERFORMANCE.

COMPLETION DATE : 18th Nov 2015

SIGNATURE (pp.):

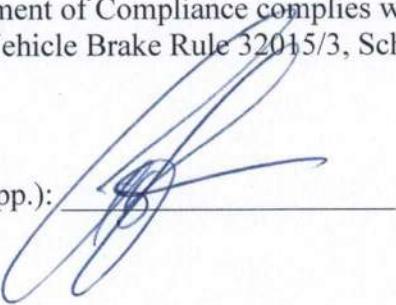
Statement of Compliance with the New Zealand Heavy Brake Rule

Documentation required supporting Statements of Compliance with the New Zealand Heavy Brake Rule, to be made available to the Statutory Authority on request, must include all calculations and test reports.

Confirmation of compliance

I confirm that the vehicle identified on page 1 of this Statement of Compliance complies with all relevant requirements of the current New Zealand Heavy Vehicle Brake Rule 32015/3, Schedule 5.

Date: 18th Nov 2015

Signed (pp.): 

Certifier's identification

Name: J E Hirst

Phone (bus): (09) 980 7300 Fax (bus): (09) 980 7306

Postal address: Transport Specialties, Cnr Kerrs & Ash Roads

Wiri, Auckland, PO Box 98 971 Manukau City 2241

Position: JEH

Confirmation of continued compliance of modification

I confirm the brake system of the vehicle identified on page 1 of this Statement of Compliance as modified by myself, continues to comply with all the relevant requirements of the current New Zealand Heavy Vehicle Brake Rule 32015/3, Schedule 5.

Date: _____ Signed: _____

Certifier's identification: JEH

Name:

Phone (bus): (09) 980 7300 Fax (bus): (09) 980 7306

Postal address: Transport Specialties Ltd

Cnr Kerrs & Ash Roads, Wiri, Auckland

PO Box 98 971, Manukau City 2241

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 32015/3.

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 32015/3. 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 32015/3, 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 JIVEK)

(09 980 7300)