

# Heavy Vehicle Specialist Certificate

Must be presented to a Transport Service Delivery Agent  
Heavy Vehicle Specialist Inspector and Inspecting Organisation

Heavy Vehicle Specialist Inspector's or Manufacturing Inspecting Organisation's Name: CHRIS CLARKE ID: CJC

Vehicle Registration: \_\_\_\_\_ VIN/Chassis Number: 7A9E2504XE1023228

Component being certified: \_\_\_\_\_ Chassis Modification \_\_\_\_\_ Load Anchorage \_\_\_\_\_ Log Bolsters \_\_\_\_\_  
 Towing Connection \_\_\_\_\_  Brakes \_\_\_\_\_ SRT \_\_\_\_\_  
 Certification Category: HCEK PSV Stability \_\_\_\_\_ PSV Rollover \_\_\_\_\_ Swept Path \_\_\_\_\_  
 PBS \_\_\_\_\_

Description of Work: CARRY OUT COMPLIANCE TO THE NZ HEAVY VEHICLE BRAKE RULE.

ROLL STABILITY FUNCTION ACTIVATED

Code/Standard/Rule Certified to: HVR NZ 30015/3 SCHED 5 Component Load Rating(s): \_\_\_\_\_

General Drawing Number(s): N/A. \_\_\_\_\_ 31300 Kg. \_\_\_\_\_

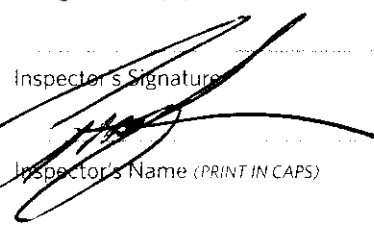
Supporting Documents: BRAKE DESIGN CERTIFICATE - CJC 2369 - JH140315.

Special Conditions: WARNING LIGHT MUST ILLUMINATE WHEN IGNITION SWITCHED ON + THEN EXTINGUISH IMMEDIATELY OR WHEN VEHICLE 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): \_\_\_\_\_ ID Number: \_\_\_\_\_  
 Date: 28 03 2014 Number: 468519

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	2013-10-14	Serial number	897001608900G
Serial number (modulator)	000000023981		
Fingerprint Customer EOL / Customer Development / Flash Program	W503643 / 2014-03-28 ; 00000000 / 0000-00-00 ; 00000000 / 0000-00-00		

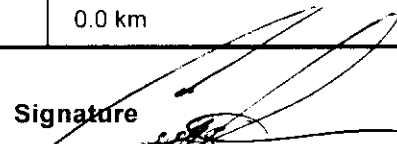
<b>WABCO</b>	<b>TRAILER EBS-E</b>	GGVS/ADR TUEH TB 2007 - 019.00 TDB0749
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HERSTELLER MANUFACTURER CONSTRUCTEUR	DOMETT			GIO	Pin1	Pin3	Pin4
TYP TYPE TYPE	5AFT (LIVESTOCK)			1	---	---	---
FAHRZEUG IDENTNR. CHASSIS NUMBER NUMERO DE CHASSIS	7A9E2501XE1023228			2	---	---	---
BREMSBERECHNUNGS-NR. BRAKE CALCULATION NO. CALCUL. DE FREINAGE NO.	TP51005A			3	ALS2	ALS2	---
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 Systeme ABS	4	---	---	---
RSS RSS RSS	Einfachbereifung Single Tyre Monte simple	Lenkachse Steering axle Essieu vireur	4S/3M	5	DIAG	DIAG	DIAG
	Zwillingsbereifung Twin Tyre Monte jumelle	Kippkritisches Fahrzeug Critical Trailer Vehicule critique		6	---	---	---
Subsystems	---	I/O	24N	7	---	---	---

ACHSE AXLE ESSIEU	pm (bar)			pm (bar)			---	6.5	pz	TYP TYPE	(mm)	(mm)	(bar)		
	1	2	3	1	2	3							1.0	Pz	
1	2470	1.4	2.8	7250	4.8	0.4	1.4	---	6.5	-	18	65	69	506	4531
2	2470	1.4	2.8	7250	4.8	0.4	1.4	---	6.5	-	18	65	69	506	4531
3	1770	0.9	1.5	6600	4.3	0.3	1.4	---	4.2	-	14 / 16	64	69	505	2590
4	1770	0.9	1.5	6600	4.3	0.3	1.4	---	4.2	-	14 / 16	64	69	505	2590
5	1770	0.9	1.5	6600	4.3	0.3	1.4	---	4.2	-	14	64	69	505	2590

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 distance sensor calibration	Not tested
ABS sensor assignment	OK	Distance sensor Axle load calibr	Not tested
RTR check	Not tested	Leak test	Not tested
Immobilizer test	Not tested	Signal outputs TEBS	Not tested
Signal inputs	Not tested		

Diagnostic memory ELEX	Not tested	Signal outputs ELEX	Not tested
TailGUARDlight	Not tested	TailGUARD	Not tested

Manufacturer	DOMETT	Vehicle ident. no	7A9E2501XE1023228
Vehicle type	5AFT (LIVESTOCK)	Odometer reading	0.0 km
next Service	0 km	Trip reading	0.0 km
Tested by	Chris Clarke	Signature 	
Date	2014-03-28 10:42:04 a.m.		

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

distribution: DOMETT  
7A9E2501XE1023228  
SODC: JH140315

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 (V6.13.11.12).  
-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 V6.13.11.12 db 20.02.2014

vehicle manufacturer: DOMETT  
trailer model : 5AFT (LIVESTOCK)  
trailer type : 5-axle-full-trailer  
remarks : air / hydraulic / VA suspension  
WABCO TRAILER - EBS E  
TRISTOP 3+4: T.14/16  
265/70 R 19,5

axle 1 + 2 + 3 + 4 + 5 : SAF, SBW 1937, TDB 0749 ECE,

		unladen	laden
total mass	P in kg	10250	34300
axle 1	P1 in kg	2470	7250
axle 2	P2 in kg	2470	7250
axle 3	P3 in kg	1770	6600
axle 4	P4 in kg	1770	6600
axle 5	P5 in kg	1770	6600
wheel base	E in mm	5725 - 5725	
centre of gravity height	h in mm	1050	2244

	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 K D Z	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.14/16	T.14/16	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	2.4	2.4	2.0	2.0	2.0
chamber pressure(rdyn max)pH at z=22,5%bar	2.4	2.4	2.0	2.0	2.0
chamber press.(servo)pcha at pm6,5bar bar	6.5	6.5	4.2	4.2	4.2
piston force ThA at pm6,5bar N	6960	6960	3984	3984	3984
brake force(rdyn min)T lad. at pm6,5bar N	52653	52653	30104	30104	30104
brake force(rdyn max)T lad. at pm6,5bar N	52653	52653	30104	30104	30104
brake force within 1 % rolling friction proportion %	21.2	21.2	19.2	19.2	19.2

braking rate z laden 0.581 for rdyn min  
z = sum (TR)/PRmax 0.581 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 1416HTLD64

## axle 4:

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

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

brake cylinder: Meritor 1416HTLD64

## axle 5:

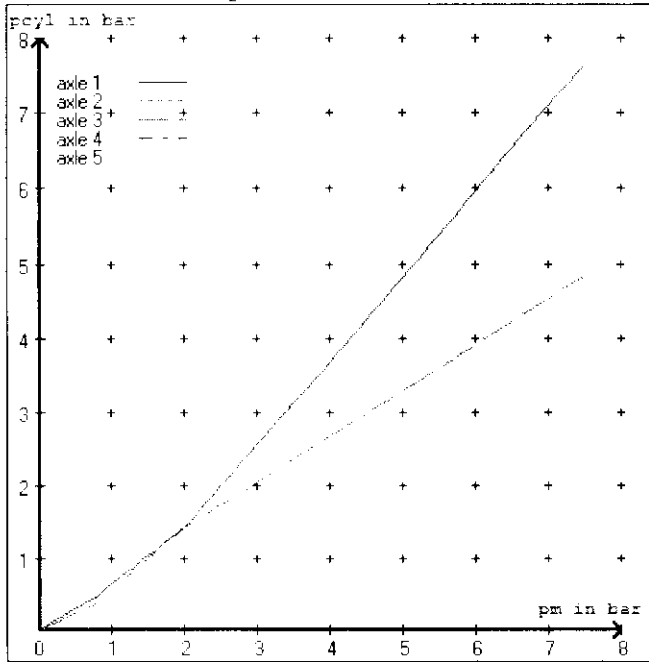
valve 1: 971 002 ... 0 WABCO  
EBS emergency valve

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

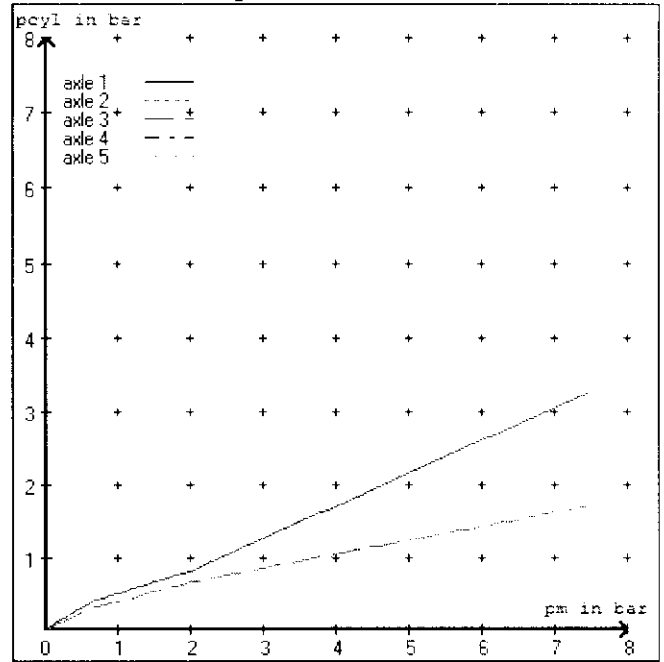
brake cylinder: Meritor 14HSCLD64

test type III (zIII = 0.30)	for rdyn min :	axle1	axle2	axle3	axle4	axle5	
at pm 3.7 bar =>	pcha in bar :	3.3	3.3	2.4	2.4	2.4	
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	0.7	0.7	0.7	

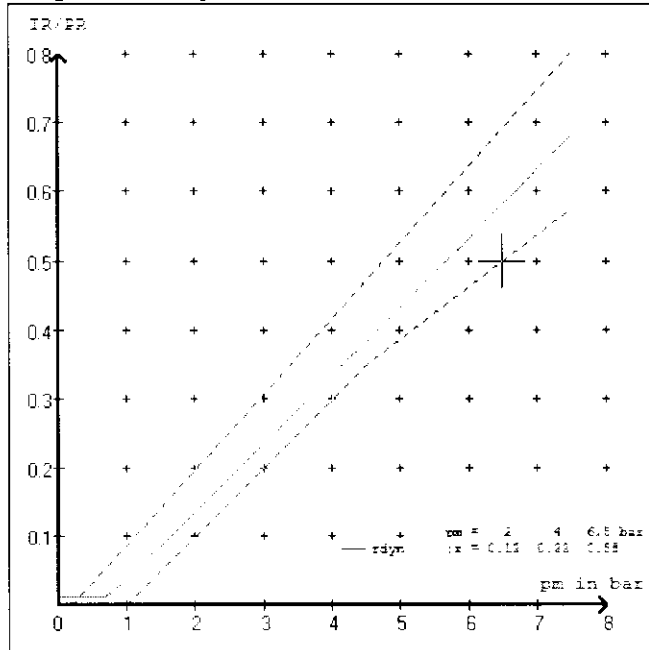
brake chamber pressure laden



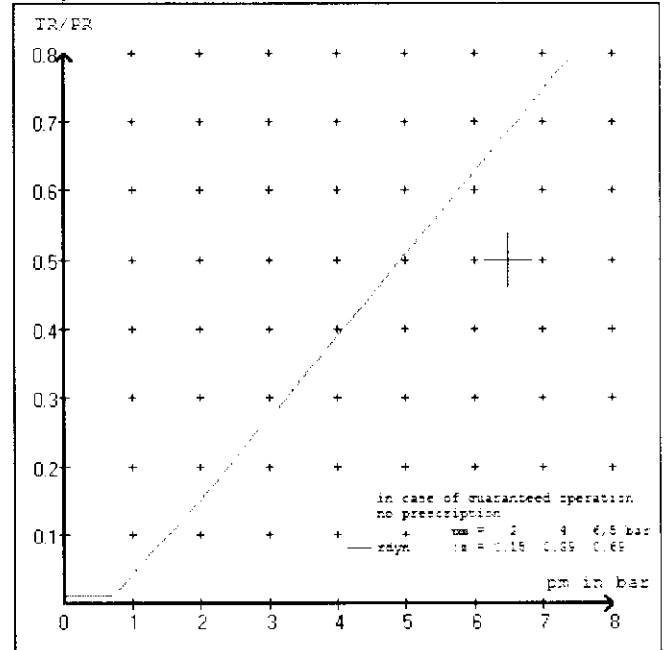
brake chamber pressure unladen



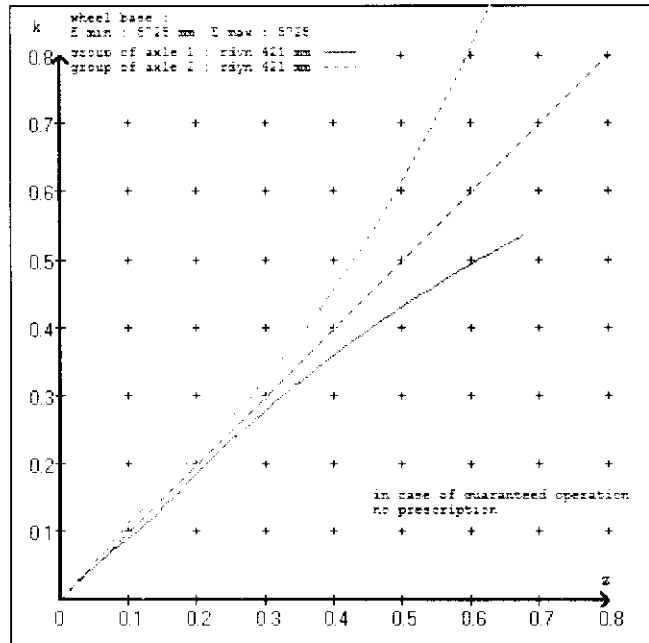
compatibility band laden



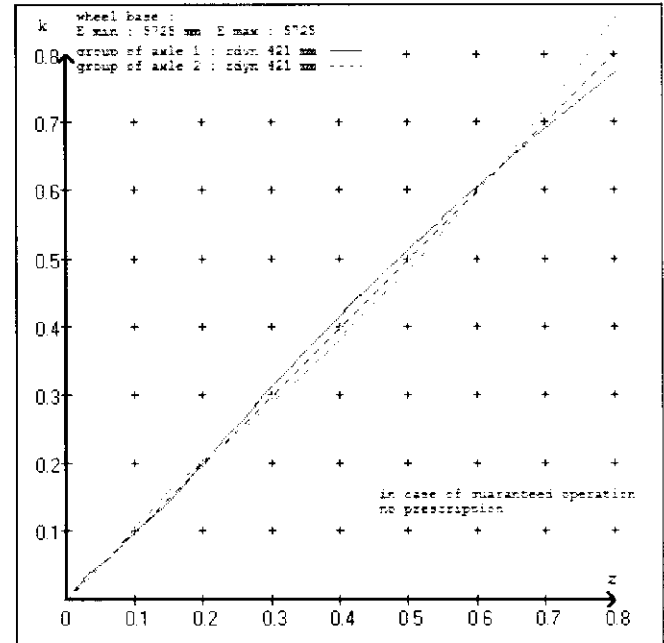
compatibility band unladen



curves of friction laden



curves of friction unladen



vehicle manufacturer: DOMETT  
 trailer model : 5AFT (LIVESTOCK)  
 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.14/16 (Meritor) lever length 69 mm  
 axle 4 : 2 x type/diameter T.14/16 (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  
 trailer model : 5AFT (LIVESTOCK)  
 trailer type : 5-axle-full-trailer  
 brake calculation no. : TP 51005A

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 = 0.138  
 6.5 bar z = 0.580

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	2470	to be	2.8	7250	to be	0.4	1.4	6.5	
2	2470	entered by the vehicle manufact.	2.8	7250	entered by the vehicle manufact.	0.4	1.4	6.5	
3	1770		1.5	6600		0.3	1.4	4.2	
4	1770		1.5	6600		0.3	1.4	4.2	
5	1770		1.5	6600		0.3	1.4	4.2	

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 pctl	axle load pctl	axle load pctl	axle load pctl	axle load pctl
2470 2.8	2470 2.8	1770 1.5	1770 1.5	1770 1.5
2970 3.2	2970 3.2	2270 1.8	2270 1.8	2270 1.8
3470 3.6	3470 3.6	2770 2.1	2770 2.1	2770 2.1
3970 4.0	3970 4.0	3270 2.3	3270 2.3	3270 2.3
4470 4.3	4470 4.3	3770 2.6	3770 2.6	3770 2.6
4970 4.7	4970 4.7	4270 2.9	4270 2.9	4270 2.9
5470 5.1	5470 5.1	4770 3.2	4770 3.2	4770 3.2
5970 5.5	5970 5.5	5270 3.5	5270 3.5	5270 3.5
7250 6.5	7250 6.5	6600 4.2	6600 4.2	6600 4.2

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 = 25.3 % Fe
axle 2	(rdyn 421 mm)	T = 25.3 % Fe
axle 3	(rdyn 421 mm)	T = 16.7 % Fe
axle 4	(rdyn 421 mm)	T = 16.7 % Fe
axle 5	(rdyn 421 mm)	T = 16.7 % 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 = 6960 N
axle2	ThA = 6960 N
axle3	ThA = 3984 N
axle4	ThA = 3984 N
axle5	ThA = 3984 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 = 41107 N
axle 2	(rdyn 421 mm)	T = 41107 N
axle 3	(rdyn 421 mm)	T = 23598 N
axle 4	(rdyn 421 mm)	T = 23598 N
axle 5	(rdyn 421 mm)	T = 23598 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)	0.58	0.45

required braking rate	>= 0,4 and
(items 1.5.3 and 1.7.2 to annex 11)	>= 0,6*E (0.35)

axle 1	(rdyn 421 mm)	T = 41107 N
axle 2	(rdyn 421 mm)	T = 41107 N
axle 3	(rdyn 421 mm)	T = 23598 N
axle 4	(rdyn 421 mm)	T = 23598 N
axle 5	(rdyn 421 mm)	T = 23598 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)	0.58	0.45

required braking rate	>= 0,4 and
(items 1.5.3 and 1.7.2 to annex 11)	>= 0,6*E (0.35)



spring parking brake

		<u>axle 3</u>	<u>axle 4</u>
no of TRISTOP-actuators per axle line KDZ		2	2
TRISTOP-actuator type		T.14/24	T.14/24
lever length	lBh 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 = lBh*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/lBh)*iFb			
braking rate	zf laden	0.296	
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

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

min Ef = 4263 mm for E = 5725 mm  
 =====  
 min Ef = 4263 mm for E = 5725 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 = 2244 mm height of center of gravity - laden  
 PR = 19800 kg maximum bogie mass - laden  
 P = 34300 kg maximum total mass - laden  
 nf = 2 no. of axle(s) with TRISTOP spring brake actuators  
 ng = 3 no. of bogie axle(s)

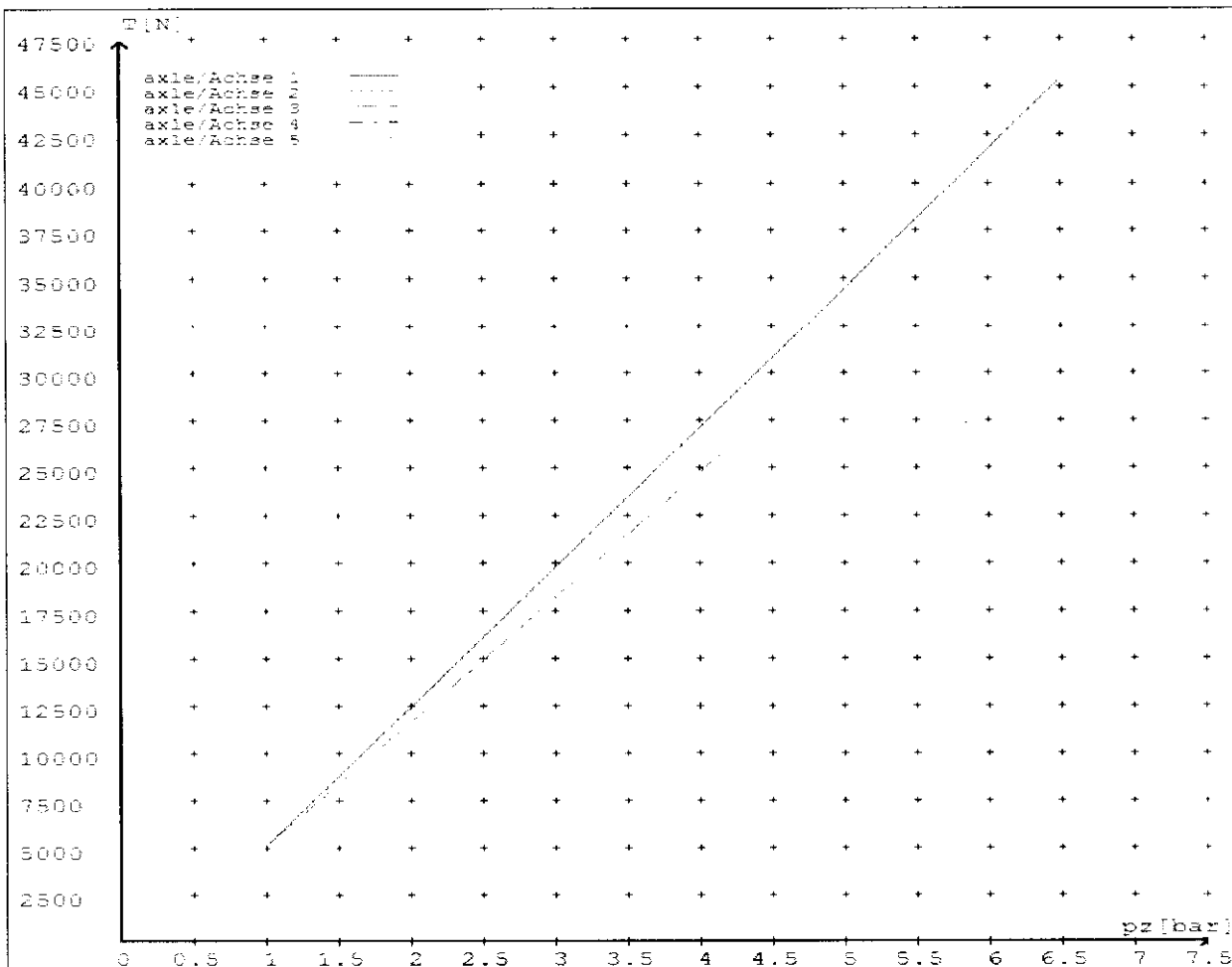
reference values

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

	pz [bar]	T [N]	T [N]
axle 1	1.0	5068	
	6.5	45313	
axle 2	1.0	5068	
	6.5	45313	
axle 3	1.0		5052
	4.2		25907
axle 4	1.0		5052
	4.2		25907
axle 5	1.0		5052
	4.2		25907

VIN - no.:

	Axle(s) / Achse(n)				
brake cylinder type (service / parking) Bremszylinder Typ (Betrieb / Fest)	18./	18./	T.14/16	T.14/16	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. JH140315

CUSTOMER NAME

DOMETT TRAILERS LTD

CUSTOMER ORDER No.

4136

DATE RECEIVED

Feb 14

VEHICLE TYPE

5 AXLE FULL TRAILER

REG No.

CHASSIS No.

7A9E2501XE1023228

**BRIEF SPECIFICATION AS CERTIFIED TO HVBR**

**BRAKE CHAMBERS:**

<u>Ax #</u>	<u>Make/model</u>	<u>Max stroke</u>	<u>Lever length</u>
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

**FRICITION LINING:**

(All) Lining Brand

OEM  
JURID 539

Aftermarket

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

VALVES: AS PER BRAKE CALCULATION TP 51005 & SO1548761

TYRE SIZE: 265 70 R 19.5

**NOTES**

PACKING SLIP NO.

SO1548761

PROCESS TIME:

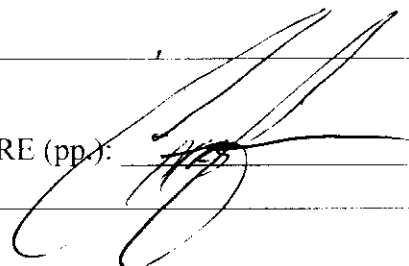
1

BRAKE CALC #TP51005

SODC# JH140315

COMPLETION DATE : 12<sup>th</sup> Mar 2014

SIGNATURE (pp):



## Statement of Compliance with the New Zealand Heavy Brake Rule

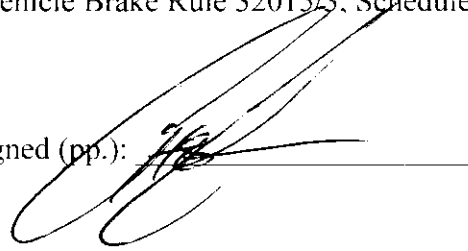
Documentation required supporting Statements of Compliance with the New Zealand Heavy Brake Rule, to be made available to the Statutory Authority on request, must include all calculations and test reports.

### 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: 12<sup>th</sup> Mar 2014

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 32015/2, 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 trailer is equipped with an Electronic Brake System.**

To comply with the New Zealand Heavy Vehicle Brake RULE, 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.

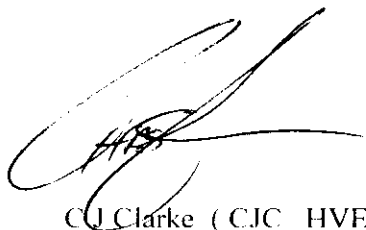
The trailer ABS/EBS warning light on the towing vehicle dashboard must illuminate when the ignition is switched on and extinguish when the vehicle is in motion.

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.

### **NB;**

If this vehicle is fitted with mechanical (spring) suspension, the load sense valving has been adjusted to suit exactly the performance of the original springs. In event of replacement being required, original equipment springs **must** be fitted to ensure correct ongoing operation. Fitment of non genuine springs can affect operation and therefore, compliance.

**If you are unsure of your responsibilities and/or obligations. please contact either the vehicle manufacturer or myself.**



C.J. Clarke ( C.J.C HVEK )

## **NOTICE TO VEHICLE OPERATOR**

***THIS VEHICLE HAS A BRAKE SYSTEM WHICH HAS BEEN DESIGNED AND FITTED IN ACCORDANCE WITH THE NEW ZEALAND HEAVY VEHICLE BRAKE RULE 32015: SCHEDULE 5.***

***IF THIS VEHICLE IS OPERATED IN CONJUNCTION WITH NON-CODED VEHICLES, THERE MAY BE OPERATIONAL FACTORS WHICH NEED TO BE TAKEN INTO CONSIDERATION.***

***PLEASE REFER TO THE CERTIFIER FOR FURTHER INFORMATION.***

### **EXCERPT FROM NZ HEAVY VEHICLE BRAKE 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 the rule : and*
- (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.*

#### **10.5 Responsibilities of manufactures and retailers**

*A person may manufacture, stock, or offer for sale a brake or its components. Intended for fitting to a vehicle to be used on New Zealand roads, only if that brake or component:*

- (a) complies with this Rule: and*
- (b) does not prevent a repair to a vehicle, its structure, systems, components and equipment from complying with this Rule.*

***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 Land Transport Safety Authority if dissatisfied with a Compliance issue. (refer LTNZ Deed Of Appointment Para 47.4) NZTA Helpdesk 0800 699 000***



**C J Clarke (CJC HVEK)**