



Heavy Vehicle Specialist Certificate

Heavy Vehicle Specialist Inspector and Inspecting Organisation

Heavy Vehicle Specialist Inspector's Name (PRINT IN CAPS)

Ronald Stuart

PRATT

ID

TRSP

Vehicle Registration*

VIN / Chassis Number

7A85N0J0298729365

Component being certified:

Chassis Modification

Load Anchorage

Log Bolsters

Certification Category

HUEK

Towing Connection

Brakes

SRT

Description of Work

Certify to Brake Rule 32015

Code/Standard Certified to

NZHV Brake Rule Schedule 5

Component Load Rating(s)

General Drawing Number(s)

NA

Supporting Documents

Brake cert No RP100812

PREV Value exemption No HUB10/260

*Special Conditions

EBS Control - warning light must illuminate when ignition switched on and extinguish immediately or when vehicle reaches 7Kph.

Certification Expiry Date (if applicable)

NA

or

Hubodometer Reading (whichever comes first)

Hubodometer Reading grid

Declaration

I the undersigned, declare that I am the Heavy Vehicle Specialist Inspector identified above 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 Deed of Appointment. To the best of my knowledge the information contained in this Certificate is true and correct.

Designer's ID (if certified by a manufacturer)

Designer's ID field

Inspector's / Delegate's Signature

Signature of Ronald Stuart

*Delegate's Name (PRINT IN CAPS)

Delegate's Name field

Date

12/08/2010

Number

351728

COF Vehicle Inspector ID:

COF Vehicle Inspector ID field

COF Vehicle Inspector Signature:

COF Vehicle Inspector Signature field

Date

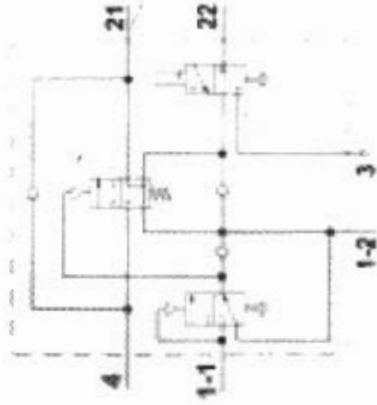
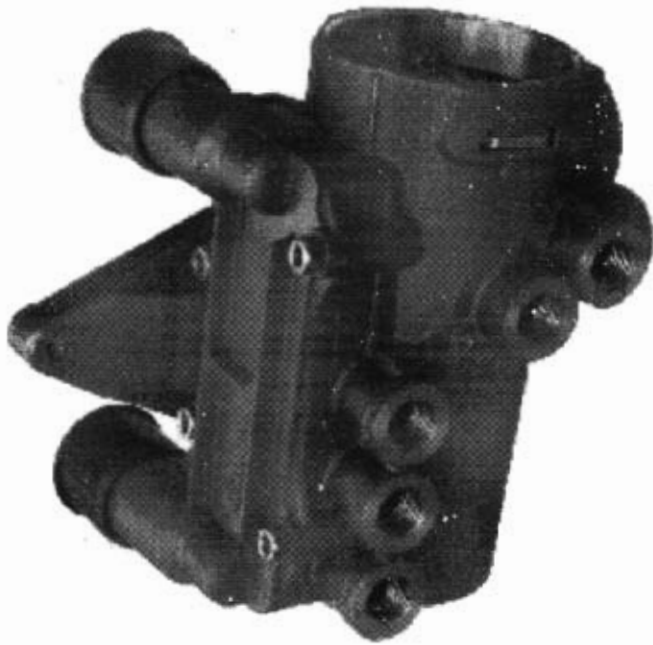
Date field

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

Fleet operators

Market information

Park-release emergency valve (PREV) | 971 002 900 0



Market information

Technical information release: Wabco PREV ID # 971 002 900 0

Trailers in the fleet may be equipped with Wabco's Park Release Emergency Valve (PREV) - subject to an approved exemption notice (The notice must be kept in the towing vehicles cab - copy attached).

The PREV replaces the standard Spring Brake Control & Yard Release valves to significantly enhance vehicle control & stability. The valve may be fitted as O.E. or as a retrofit package.

The valve will be located mid way down the side of the chassis rail & can be identified by the prominent Red & Black control knobs spaced 120mm apart, housed in one assembly.

The trailer equipped with a PREV & used in conjunction with EBS brake control systems will have proportional & modulated (ABS) braking through actuation of the service brakes, rather than the spring brakes, when the Emergency brake is operated.

If any of the following events occur;

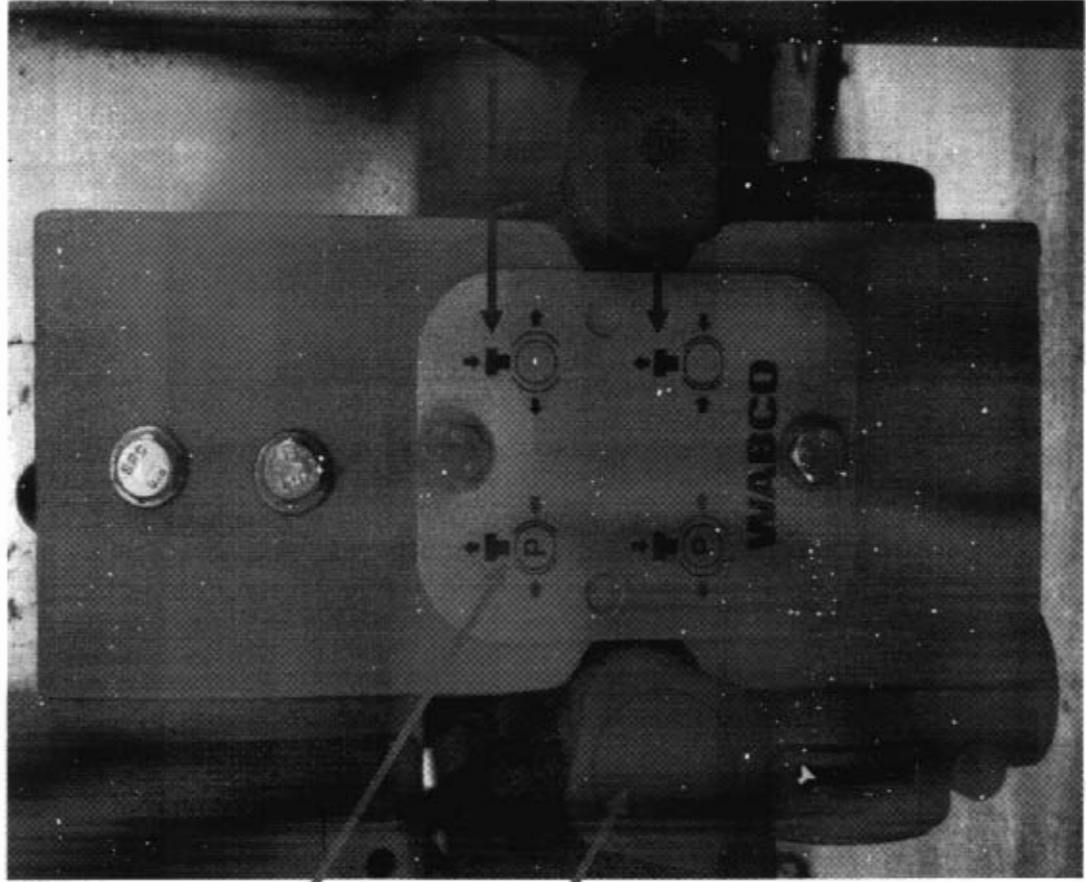
- Emergency brake application (via cab control)
- Drop in supply line pressure (< 310 kPa)
- Supply line rupture ...

...the improved operational characteristic of the emergency brake function prevents wheel lock & the prevalent tyre damage associated with it. More importantly though a Service brake application provides optimum stability by ensuring full directional control of the vehicle is maintained.

Application of the park brake via the cab control will apply all Service Brakes on the trailer. Should the system pressure drop the trailer Spring Brakes will automatically apply.

When the trailer is presented for COF the park brake system performance is checked by pulling the Red control knob on the PREV assembly. The park brake control in the cab does not have to be applied during the park brake test at COF.

Market information



The trailer Park brake is applied by pulling the Red control knob. The Parking Brake performance of the trailer is therefore checked on the Brake Roller Machine by pulling the Red park brake control knob.

If the trailer is detached from the prime mover, please apply the Park brake.

When the park brake is applied in the towing vehicle, the Service brakes are applied on the trailer.

The Black control knob is used to manoeuvre the trailer when not connected to a prime mover.

Push the control knob in to release the Service brakes
– pull the control knob out to reapply the Service brakes.

If the control knob is left pushed in it will automatically 'pop-out' when the prime mover is re-coupled, the supply lines reconnected & the Park brake control in the cab is released.

Market information

An Emergency Brake application will apply the Service brakes. The vehicle operator should notice the event & will be able to safely manoeuvre the combination to a controlled stop. However, if the operator is initially unaware of a problem the illuminated EBS/ABS warning lamp will indicate that a problem exists. TEBS is a self-monitoring system & may generate a fault code similar to the example illustrated below. The importance of monitoring & reporting the ABS/EBS warning lamp events cannot be stressed enough & must be reported immediately. It is recommended Service providers check the TEBS diagnostic memory at each service interval. This operation takes approx 5 minutes.

Pneumatic Control line/ Residual pressure

Page 1 of 1

Pneumatic Control line/ Residual pressure

Residual pressure has been detected in the pneumatic control line (yellow coupling head).

The fault is detected when the desired-pressure sensor measures a pressure > 0.3 bar and the vehicle speed increases by 30 km/h.

(Plausibility: The vehicle cannot accelerate and brake at the same time.)

Are pipes kinked or blocked?

Is the trailer control valve in the towing vehicle OK?



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

CERTIFICATE No.

CUSTOMER NAME

CUSTOMER ORDER No. DATE RECEIVED

VEHICLE TYPE

REG No. CHASSIS No.

BRIEF SPECIFICATION AS CERTIFIED TO SCHEDULE 5

BRAKE VALVES:

Primary Relay
Make: WABCO Type: 480/102/064/0

Secondary Relay
Make: WABCO Type: 480/207/001/0

Spring Brake Relay
Make: WABCO Type: 971/002/900/0 PREV Valve _____

Park Brake Release Valve
Make: Wabco Type: 971/002/900/0

Locked Ratio
Make: _____ Type: _____ Setting: _____

Load Sense Valve
Front: Make: EBS Type: _____

Settings: Laden: _____ Unladen: _____

Load Sense Valve
Rear: Make: EBS Type: _____

Setting: Laden: _____ Unladen: _____

Other Valves

Make: WABCO _____ Type: line Filters _____ Setting: X 2 _____

Make: _____ Type: _____ Setting:- _____

Make: _____ Type: _____ Setting: _____

Make: _____ Type: _____ Setting:- _____

Comments:

BRAKE CHAMBERS:

Front: Make TSE Type: 14 STROKE: 64 mm
Rear: Make TSE Type: 14/16 STROKE: 64 mm

SLACK ADJUSTER:

Front Length (mm)_Disc _____ Rear Length (mm)_Disc _____

BRAKE CALIPERS: Type Wabco_Pan19+ _____

FRICION MATERIAL:

	OEM	Aftermarket
(Front) Lining Brand	<u>Jurid 539</u>	<u>Grade AF</u>
(Rear) Lining Brand	<u>Jurid 539</u>	<u>GRADE AF</u>

OTHER:

TYRES 265/70R19.5

NOTES:

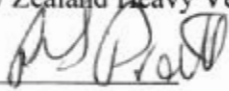
PACKING SLIP NO.

PROCESS TIME:

35

Confirmation of compliance

I confirm that the vehicle identified on page 1 and 2 of this Confirmation of Compliance complies with all relevant requirements of the current New Zealand Heavy Vehicle Brake Rule 32015, Schedule 5.

Date: 12/08/2010 Signed: 

Certifier's identification

Name & ID: RON PRATT (TRSP)

Phone (bus): 09 9807300 Fax (bus): 09 9807306

Postal address: TRANSPORT SPECIALTIES LTD
PO BOX 98-971,
MANUKAU CITY,
MANUKAU 2241

Position: TRSP (HVEK)

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, Schedule 5.

Date: _____ Signed: _____

Certifier's identification: _____

Name: _____

Phone (bus): _____ Fax (bus): _____

Postal address: _____

Position: _____

Comments:

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.*

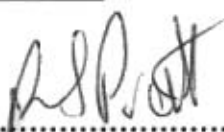
10.5 Responsibilities of manufactures and retailers

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) Land Transport NZ Helpdesk 0800 699 000



.....
**R S PRATT
(TRSP HVEK)**

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.

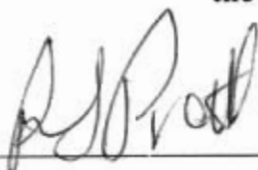
The trailer ABS/EBS warning light on the towing vehicle dashboard must illuminate when the ignition is switched on and extinguish when the vehicle is in motion.

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.



R S Pratt
(TRSP HVEK 09 980 7300)



Document: B1081598
Exemption: HVB10/260

**EXEMPTION FROM SPECIFIED REQUIREMENTS OF LAND TRANSPORT RULE:
Heavy-vehicle Brakes 2006, Rule 32015**

Pursuant to Section 166(1) of the Land Transport Act 1998, and pursuant to the powers delegated to me, I Eugene Girardin, Vehicles Unit Engineer, hereby exempt the motor vehicle specified in Schedule 1 hereto from the section of Land Transport Rule: Heavy-vehicle Brakes 2006 (the Rule) listed in Schedule 2, subject to the conditions specified in Schedule 3.

SCHEDULE 1:

Make/Model: **Evans Eng Ltd, 4 Axle Full Trailer**
VIN/CHASSIS: **7A85N0J0298729365**

SCHEDULE 2: - Exempted Requirement

Section 2.3(9); The parking brake of a vehicle, whether or not it is being operated as a combination vehicle, must be able to be applied by the driver from the normal driving position using one control only.

SCHEDULE 3: - Conditions of this exemption:

- 1) The vehicle must be fitted with a Wabco park-release emergency valve (PREV), Part Number: 971 002 900 0.
- 2) The vehicle must be fitted with the Wabco PREV name plate, Part Number 971 002 103 4, adjacent to the PREV.
- 3) The vehicle must still be fitted with a parking brake that complies with all parking brake requirements in the Rule other than the requirement in Clause 2.3(9) of the Rule.
- 4) The installation of the PREV must be approved in writing by Transport Specialties Limited (Transpecs) or an NZ Transport Agency appointed HVEK certifier acting on behalf of, and under instruction from, Transpecs; Transpecs must keep a written record of all approvals.
- 5) An HVEK certifier in 4) must be fully trained in end of line procedures for Wabco electronically controlled braking systems
- 6) Transpecs must provide full operator training in the use of the PREV and furnish the operator with full written operating instructions for the PREV.
- 7) The vehicle must not be modified in any way while operating under this exemption.
- 8) This original exemption must be kept by Transport Specialties LTD.
- 9) A copy of this exemption (printed on a silver WABCO Sticker) must be affixed to the exempted vehicle as close to the WABCO PREV as possible.
- 10) The sticker in 8) must be legible and include all printed area's of this original exemption letter.
- 11) This exemption can be revoked at any time in writing by the NZ Transport Agency.

Signed at Wellington this 27th day of July 2010


Eugene Girardin
Engineer
Vehicles Unit

System	Trailer EBS-E	WABCO part number	480 102 064 0
Production date	2010-04-23	Serial number	284008449100
Fingerprint Customer EOL / Customer Development / Flash Program	W 029383 / 2010-08-12 ; 00000000 / 0000-00-00 ; 00000000 / 0000-00-00		

WABCO		TRAILER EBS-E		GGVS/ADR TUEH TB 2007 - 019.00 TDB0749			
HERSTELLER MANUFACTURER CONSTRUCTEUR	Domett Evans Rebuild			GIO	Pin1	Pin3	Pin4
TYP TYPE TYPE	4A Full Tanker			1	---	---	---
FAHRZEUG IDENTIF. CHASSIS NUMBER NUMERO DE CHASSIS	7A85N0J0298729365			2	---	---	---
BREMSEBESCHRIEBUNG NR. BRAKE CALCULATION NO. CALCUL. DE FREINAGE NO.	TP50431			3	ALS2	ALS2	---
POLRADZÄHNEZAHL 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	4	---	---	---
ABS	Einachslenkung Single Tire Morte simple		Lenksache Steering axle Essieu avant	5	DIAG	DIAG	DIAG
	Zweifelslenkung Twin Tire Morte jumelle	X	Kipprichtliches Fahrzeug Critical Trailer Véhicule critique	6	---	---	---
Subsystems	---		I/O	7	---	---	---

ACHSE AXLE ESSIEU	pm (bar)		6.5		pm (bar)		0.8		2.0		---		6.5		TYP TYPE	(mm)	(mm)	(bar)	
	↓ (kg)	⊗	⊗	⊗	↓ (kg)	⊗	⊗	⊗	⊗	⊗	⊗	⊗	1.0	Pz				TR (daN)	
1	1450	0.7	1.6	7000	4.6	0.4	1.2	---	5.8	-	14	64	69	---	---	---	---		
2	1450	0.7	1.6	7000	4.6	0.4	1.2	---	5.8	-	14	64	69	---	---	---	---		
3	1250	0.6	1.2	7000	4.6	0.4	1.3	---	4.6	-	14 / 16	64	69	---	---	---	---		
4	1250	0.6	1.2	7000	4.6	0.4	1.3	---	4.6	-	14 / 16	64	69	---	---	---	---		
5	0	---	---	0	---	---	---	---	---	-	---	---	---	---	---	---	---		

Diagnostic memory	OK	Warning lamp control	OK
Parameter setting	carried out	Stop light power supply	Not tested
EBS pressure test	OK	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		

Manufacturer	Domett Evans Rebuild	Vehicle ident. no	7A85N0J0298729365
Vehicle type	4A Full Tanker	Odometer reading	0.0 km
next Service	0 km	Trip reading	0.0 km
Tested by	Ron Pratt	 Signature	
Date	2010-08-12 7:52:14 PM		



P.O.Box 98-971

South Auckland Mail Centre

Ronald Stuart Pratt (TRSP)

DATE 12-Aug-10 TYPE APPROVED NO

CERTIFICATE No RP100812 4AFTSAFEB5-Edisc

VIN No 7A85N0J0298729365

BRAKE CHAMBERS FRONT 14TSE 64mm Prev Exempt No HVB10/260

BRAKE CHAMBERS REAR 14/16TSE 64mm LOAD SENSED Yes EBS Control

SLACK LENGTH FRONT Disc TYRE SIZE FRONT 265/70R19.5

SLACK LENGTH REAR Disc TYRE SIZE REAR 265/70R19.5

THIS VEHICLE COMPLIES W N.Z.H.V.B.R LINING MATERIAL FRONT Jurid 539 AF

32015 SCHEDULE 5 LINING MATERIAL REAR Jurid 539 AF

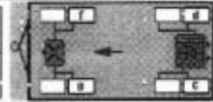
WABCO

TRAILER EBS-E

GGVS/ADR TUEH TB 2007 - 019.00
TDB0749

HERSTELLER MANUFACTURER CONSTRUCTEUR	Domett Evans Rebuild		
TYP TYPE TYPE	4A Full Tanker		
FAHRZEUG IDENTNR. CHASSIS NUMBER NUMERO DE CHASSIS	7A85N0J0298729365		
BREMSENRECHNUNGS-NR. BRAKE CALCULATION NO. CALCUL DE FREINAGE NO.	TP50431		
POLRADZÄHREZAHL c-d e-f POLE WHEEL TISETH c-d e-f DENTS ROUE DENTÉE c-d e-f	90	90	ABS-System ABS-System Système ABS 4S/3M
RSS RSS RSS	Einachslenkung Single Tim Moude simple		Lenkachsen Steering axle Essieu avant
	Zwillingslenkung Twin Tim Moude parallel	X	Kippsicheres Fahrzeug Critical Trailer Vehicule critique
Subsystems	---		I/O

GIO	Pin1	Pin3	Pin4
1	---	---	---
2	---	---	---
3	ALS2	ALS2	---
4	---	---	---
5	DIAG	DIAG	DIAG
6	---	---	---
7	---	---	---

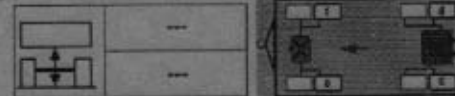


ACHSE AXLE ESSIEU	pm (bar)		6.5		pm (bar)		0.8		2.0		---		6.5		TYP TYPE	(mm)	(mm)	(bar)	
	↓ (kg)	⊖	⊙	↓ (kg)	⊖	⊙	↓ (kg)	⊖	⊙	↓ (kg)	⊖	⊙	1.0	Pz					
																			TR (daN)
1	1450	0.7	1.6	7000	4.6	0.4	1.2	---	5.8	-	14	64	69	---	---				
2	1450	0.7	1.6	7000	4.6	0.4	1.2	---	5.8	-	14	64	69	---	---				
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4	1250	0.6	1.2	7000	4.6	0.4	1.3	---	4.6	-	14 / 16	64	69	---	---				
5	0	---	---	0	---	---	---	---	---	-	---	---	---	---	---				

WABCO**TRAILER EBS-E**GGVS/ADR TUEH TB 2007 - 019.00
TDB0749

HERSTELLER MANUFACTURER CONSTRUCTEUR	Domett Evans Rebuild		
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BREMSENRECHNUNGSART BRAKE CALCULATION NO. CALCULO DE FREMAGE NO.	TP50431		
POLYACCHIAZZIAPL. c-d e-f POLE WHEEL TEETH c-d e-f DENTS ROUE D'ENTEE c-d e-f	90	90	ABS-System ABS-System Système ABS
ABS ABS ABS	Einachslenkung Single Tire Monte simple		Lenkachsen steering axle Essieu avant
	Zweiachslenkung Twin Tire Monte jumele		Kuppelantriebe / air line Critical Trailer Vinculo critico
Subsystems	--		I/O

GIO	Pin1	Pin3	Pin4
1	---	---	---
2	---	---	---
3	ALS2	ALS2	---
4	---	---	---
5	DIAG	DIAG	DIAG
6	---	---	---
7	---	---	---



ACHSE AXLE ESSEU	pm (bar)		6.5		pm (bar)		0.8	2.0	---	6.5	TYP TYPE	(mm)	(mm)	(bar)	
	↓ (mm)	⊗	⊗	⊗	⊗	⊗	pz	1.0	Pz						
1	1450	0.7	1.6	7000	4.6	0.4	1.2	---	5.8	-	14	64	69	---	---
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3	1250	0.6	1.2	7000	4.6	0.4	1.3	---	4.6	-	14 / 16	64	69	---	---
4	1250	0.6	1.2	7000	4.6	0.4	1.3	---	4.6	-	14 / 16	64	69	---	---
5	0	---	---	0	---	---	---	---	---	-	---	---	---	---	---

Transpecs
QUALITY ON THE MOVE

P.O.Box 98-971

South Auckland Mail Centre

Ronald Stuart Pratt (TRSP)

DATE 12-Aug-10 TYPE APPROVED NOCERTIFICATE No RP100812 4AFTSAFEBS-EdiscVIN No 7A85N0J0298729365BRAKE CHAMBERS FRONT 14TSE 64mm Prev Exempt No HVB10/260BRAKE CHAMBERS REAR 14/16TSE 64mm LOAD SENSED Yes EBS ControlSLACK LENGTH FRONT Disc TYRE SIZE FRONT 265/70R19.5SLACK LENGTH REAR Disc TYRE SIZE REAR 265/70R19.5THIS VEHICLE COMPLIES W .N.Z.H.V.B.R LINING MATERIAL FRONT Jurid 539 AF32015 SCHEDULE 5 LINING MATERIAL REAR Jurid 539 AF