PRODUCT TRAINING

TRAINING PROGRAMME 2022

WABCO South Africa

WABCO
ACADEMY

Product Training

Trailer ABS Course 1 Basic Airbrakes 3

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Please note that due to the present situation training will be done **Live Online** until further notice.

We require a mimimum number of trainees -
to facilitate fun interactive courses.

The WABCO Academy - intergrated part of ZF Aftermarket

WABCO ACADEMY

Please contact Vic Currin for further information: Cell: 076 283 3754 E-mail: Vic.Currin@zf.com

Trailer ABS

Course 1 - Basic Airbrakes **Updated Expanded**

Basic Airbrakes

Duration
2.5 days or +/- 15 hours

Live Online Price
R2 141.70 Excl. VAT

Live Online Course Dates and times.

Weekdays O/H
9am - 3:30pm
15 - 17 Feb
4 - 6 April
7 - 9 June
16 - 18 Aug
4 - 6 Oct

Weekdays A/H
5pm - 8:30pm
7 - 10 Mar
9 - 12 May
4 - 7 July
5 - 8 Sept
7 - 10 Nov

Saturdays
9am - 3:00pm
12, 19 & 26 Feb
26 Mar, 2 & 9 April
9, 16 & 23 July
8, 15 & 22 Oct

Target Group

For those who work on trailers and really want to understand the braking systems, this is the course to start with.

Learning Content

- ❒ Valve port markings – the key to understanding airbrakes.
- ❒ Semi-Trailer and Interlink airbrake circuits.
- ❒ Settings: From load sensing to air suspension ride heights.
- ❒ WABCO Trailer ABS. We show:
  - WABCO ABS in action, preventing accidents and costly tyre flat spots.
  - How to keep your WABCO ABS working – working with power supplies and wheel sensors.
  - Easy hand held diagnostics including multi-meter training.
- ❒ Test station brake reports. Are your trailer's brakes really that good? We show test station passes that should have been failures. Brake efficiency is easily calculated. We show you how.

Note

By pre-arrangement, we can also help candidates with low levels of literacy.

Advanced Airbrakes - Intro

Course 2a - Trailer EBS and Drawbars (ABS & EBS)

Advanced Airbrakes

Duration

2 Days or +/- 14 Hours.

Live Online Price

R2 141.70 Excl. VAT

Live Online Course Dates and times.

Weekdays O/H
9am - 3:30pm
23 - 24 Feb
6 - 7 April
22 - 23 June
12 - 13 Oct

Weekdays A/H
5pm - 8:30pm
14 - 17 Mar
16 - 19 May
11 - 14 July
12 - 15 Sept
14 - 17 Nov

Saturdays
9am - 3:00pm
5 & 12 Mar
4 & 11 June
13 & 20 Aug
5 & 12 Nov

Target Group

Only available to candidates that have successfully passed Course 1 with 75% or more.

Learning Content

- ❒ The evolution from Trailer ABS to EBS.
- ❒ Semi-Trailers with EBS.
- ❒ Drawbar trailers ABS & EBS.
- ❒ EBS add on features:
  - Roll Stability Support (RSS). Electronic brake activation in near roll over situations.
  - Tail-Guard (Park Distance Control). Electronic brake activation when reversing too close to an object.
  - Electronically Controlled Air Suspension (ECAS). Electronic control = reduced air consumption = reduced fuel consumption.
  - Smartboard. Load display, odometer, lift axle control and diagnostics.
  - On-Board Data Recording (ODR). ABS, RSS and more events stored in memory, Useful for route analysis, driver abuse and accident analysis.

Note

Upgraded for 2018. Drawbar and trailer EBS brake systems are different. We show that different does not mean more difficult.

Course 2b - Trailer EBS Practical Diagnostics

Advanced Airbrakes

Duration

Duration: 1.5 Days/10 Hrs

Live Online Price

Price Included

- ❒ EBS practical laptop and multi meter diagnostics training via **Direct Connect**

  Conducted 1 on 1 when you have a trailer available. Customers must have their own WABCO diagnostic equipment laptop/s with a WiFi / Hotspot / 4G type internet connection.

Note

This course is 50% hands on practical.

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Trailers

Course 3 - Advanced Fault Finding

Trailers

Duration

2 Days or +/- 14 Hours.

Live Online Price

R2 578.00 Excl. VAT

Live Online Course Dates and times.

Weekdays O/H
9am - 3:30pm
5 & 6 Dec

Weekdays A/H
5pm - 8:30pm
21 - 24 Nov

Saturdays
9am - 3:00pm
18 & 25 June
19 & 26 Nov

Target Group

Only available to candidates that have successfully passed Courses 1 & 2 with 75% or more. An essential course for anyone doing breakdowns on trailers.

Learning Content

- From insufficient brakes to brake binds / tyre fires
- How to know when a leaking valve is not a fault, but a feedback. Learn which valve to change.
- Equalising – A leak in one place causes an imbalance of pressures that will make some valves look like they're leaking, when they are not.
- Incorrect settings that cause some valves to leak, trailers to push the truck or uneven /high brake lining / tyre wear.

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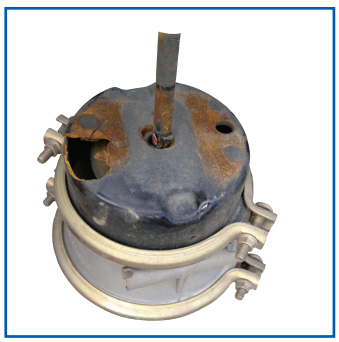
Note

Upgraded for 2018. Save time and cost by learning how to logically fault find Semi and Drawbar Trailers with ABS or EBS brake systems.

Whilst this is a theoretical course, we will be demonstrating some of the faults on our functional trailer jigs. An essential course for anyone doing breakdowns on trailers.



Truck ABS

Course 4 - Basic Airbrakes

Basic Airbrakes

Duration

3 Days or +/- 20 Hours.

Live Online Price

R3 212.00 Excl. VAT

Live Online Course Dates and times.

Weekdays O/H
9am - 3:30pm
29 - 31 Mar
26 - 28 July
18 - 20 Oct

Weekdays A/H
5pm - 8:30pm
24- 27 & 31 Oct

Saturdays
9am - 3:00pm
14, 21 & 28 May
3, 10 & 17 Sept

Target Group

For those that work on trucks and really want to understand truck airbrake systems, this is the course to start with.

Learning Content

- ❒ Valve port markings – the key to understanding airbrakes.
- ❒ Valve function and settings including air dryers, 4 circuit protection valves, load sensing valves and trailer control valves.
- ❒ All the circuits, from charging to hand brake, full function to fail-safes, including the circuits with spring brakes (boosters) on the front steering axles.
- ❒ Truck ABS:
  - What it does to avoid accidents and prevent tyre lock ups.
  - How ABS works and how to maintain it.
  - In intro to WABCO Truck ABS diagnostics.
- ❒ Truck / Trailer braking predominance. Why it's important and how to measure it.

Note

For maximum benefit, also enrol for Course 5, Advanced Fault Finding – Truck.

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Please contact Vic Currin for further information: Cell: 076 283 3754 E-mail: Vic.Currin@zf.com

Trucks

Course 5 - Advanced Fault Finding

Trailers

Duration

2 Days or +/- 14 Hours.

Live Online Price

R2 578.00 Excl. VAT

Live Online Course Dates and times.

Weekdays O/H
9am - 3:30pm
7 - 8 Dec

Weekdays A/H
5pm - 8:30pm
28 - 30 Nov & 1 Dec

Saturdays
9am - 3:00pm
3 & 10 Dec

Target Group

Only available to candidates that have successfully passed Course 4 with 75% or more. This course is essential for anyone doing breakdowns on trucks.

Learning Content

- From insufficient brakes to brake binds / tyre fires
- Irregular brake wear and Jack-Knifing.
- How to diagnose a leaking valve from a feedback without costly valve replacements.
- From long build up times to crossed circuit detection.
- Advanced predominance – how to correctly set truck / trailer predominance settings.

Note

Upgraded for 2018. Save time, reduce costs, by learning how to logically fault find truck airbrake systems, with or without ABS.

General Information

Live Online Dates at a glance

Product Training:

Vic Currin, Mobile: +27 (0)76 283 3754 / Vic.Currin@zf.com

Please note that due to the present situation training will be done **Live Online** until further notice.

We require a mimimum number of trainees -
to facilitate fun interactive courses.

	Weekdays O/H 9am - 3:30pm	Weekdays A/H 5pm - 8:30pm	Saturdays 9am - 3:00pm
Basic Airbrakes (ABS):	15 - 17 Feb 4 - 6 April 7 - 9 June 16 - 18 Aug 4 - 6 Oct	7 - 10 Mar 9 - 12 May 4 - 7 July 5 - 8 Sept 7 - 10 Nov	12,19 & 26 Feb 26 Mar, 2 & 9 April 9, 16 & 23 July 8, 15 & 22 Oct
Intro to Advanced Airbrakes -Trailer EBS, Diagnostics & Drawbars (ABS & EBS):	23 - 24 Feb 6 - 7 April 22 - 23 June 24 - 25 Aug 12 - 13 Oct	14 - 17 Mar 16 - 19 May 11 - 14 July 12 - 15 Sept 14 - 17 Nov	5 & 12 Mar 4 & 11 June 13 & 20 Aug 5 & 12 Nov
Advanced Airbrakes - Practical Diagnostics	Trailer EBSConducted 1 on 1 when you have a trailer available Customers must have their own WABCO diagnostic equipment laptop/s with a WiFi / Hotspot / 4G type internet connection.		
Advanced Fault Finding – Trailers:	5 & 6 Dec	21 - 24 Nov	18 & 25 June 19 & 26 Nov
Basic Airbrake – Truck ABS:	29 - 31 Mar 26 - 28 July 18 - 20 Oct	24 - 27 & 31 Oct	14, 21 & 28 May 3, 10 & 17 Sept
Advanced Fault Finding – Truck:	7 - 8 Dec	28 - 30 Nov & 1 Dec	3 & 10 Dec

Please contact Vic Currin for further information: Cell: 076 283 3754 E-mail: Vic.Currin@zf.com

Live On-line Enrolement Form 2022

Please complete the grey cells. Save this form and email to: victor.currin@zf.com

Company Name:

VAT No: Contact Person:

Division: Phone:

Your Position: Order No:

Cash / EFT / Acc: Cell No:

Physical Address:

Area Code:

Email:

Qty of Trucks: Preferred Airbrake Supplier:

Qty of Trailers: Preferred Trailer / Tanker Builder:

Qty Trailers built previous year: Qty Trailers on order: Have a Fleet Brake Spec?

Brand: Training Pref. Online | In-House

Candidate Name & Email	Cell No and ID	Course/s	Dates	Time Pref.(X)		
Name:	Cell:			W/Day	A/H	Sat
Email:	ID:			W/Day	A/H	Sat
Name:	Cell			W/Day	A/H	Sat
Email:	ID:			W/Day	A/H	Sat
Name:	Cell			W/Day	A/H	Sat
Email:	ID:			W/Day	A/H	Sat
Name:	Cell			W/Day	A/H	Sat
Email:	ID:			W/Day	A/H	Sat
Name:	Cell			W/Day	A/H	Sat
Email:	ID:			W/Day	A/H	Sat
Name:	Cell			W/Day	A/H	Sat
Email:	ID:			W/Day	A/H	Sat

Testing and Certificates included. Pass mark is 60%

WABCO Academy

Our purpose: To deliver practical training that is ever improving, that technicians and mechanics can use to save time, reduce breakdowns and improve road safety.

Our difference: We train from practical experience using our own unique training technology. We show not only how a truck and / or trailer is piped, but how the brake systems actually work. Our training is completed with logical fault finding and laptop diagnostics.

WABCO Academy Edenvale HQ

www.wabco-academy.com
www.wabco.co.za/training

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