



[pro]Academy

Training Programme 2024





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WABCO Product Training

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.

All of courses will be available as in-house training at our Edenvale, Pinetown and Cape Town offices.

Course 1, 2 and 6 will also be available as Live Online Training.

On-site/Company Group bookings are also available.

We require a minimum number of trainees – to facilitate fun interactive courses

Training Dates are subject to change in-line with changing conditions / bookings.

For further information on our ZF (pro) Academy WABCO Product Training contact: Vic Currin on +27 (0)76 283 3754 or email Vic.Currin@zf.com

General Information

In-House and Live Online Dates at a glance

In-House (09:00 - 15:30)
BASIC AIRBRAKES (ABS):
ZF Edenvale - Gauteng

ZF Pinetown - KZN

ZF Cape Town - W/Cape

06 – 08 Feb
30 Sept – 02 Oct
16 – 18 July
22 – 24 July
08 – 10 April

Online
Saturdays (09:00 - 15:00)
Evenings (17:00 - 20:30)

11, 18 & 25 May
03 - 06 & 10 June

In-House (09:00 - 15:30)
**ADVANCED AIRBRAKES - TRAILER EBS,
DIAGNOSTICS & DRAWBARS (ABS & EBS)**
ZF Edenvale - Gauteng

ZF Pinetown - KZN
ZF Cape Town - W/Cape

12 – 15 Feb
07 – 10 Oct
29 July – 01 Aug
15 – 18 April

Online
**ADVANCED AIRBRAKES -TRAILER EBS,
DIAGNOSTICS & DRAWBARS (ABS & EBS)**
Saturdays (09:00 - 15:00)
Evenings (17:00 - 20:30)

01 & 08 June
24 – 27 June

In-House (09:00 - 15:30)
ADVANCED FAULT FINDING – TRAILERS:
ZF Edenvale - Gauteng
ZF Pinetown - KZN
ZF Cape Town - W/Cape

15 – 16 Oct
19 – 20 Aug
06 – 07 May

In-House (09:00 - 15:30)
BASIC AIRBRAKE – TRUCK ABS:
ZF Edenvale - Gauteng

ZF Pinetown - KZN
ZF Cape Town - W/Cape

20 – 22 Feb
21 – 23 Oct
13 – 15 Aug
23 – 25 April

In-House (09:00 - 15:30)
ADVANCED FAULT FINDING – TRUCK:
ZF Edenvale - Gauteng
ZF Pinetown - KZN
ZF Cape Town - W/Cape

28 – 29 Oct
21 – 22 Aug
8 – 9 May

In-House (09:15 - 15:30)
TRAILER BRAKES HEALTH CHECK:
ZF Edenvale - Gauteng

ZF Pinetown - KZN

ZF Cape Town - W/Cape

19 Feb
14 Oct
07 March
02 Aug
11 April

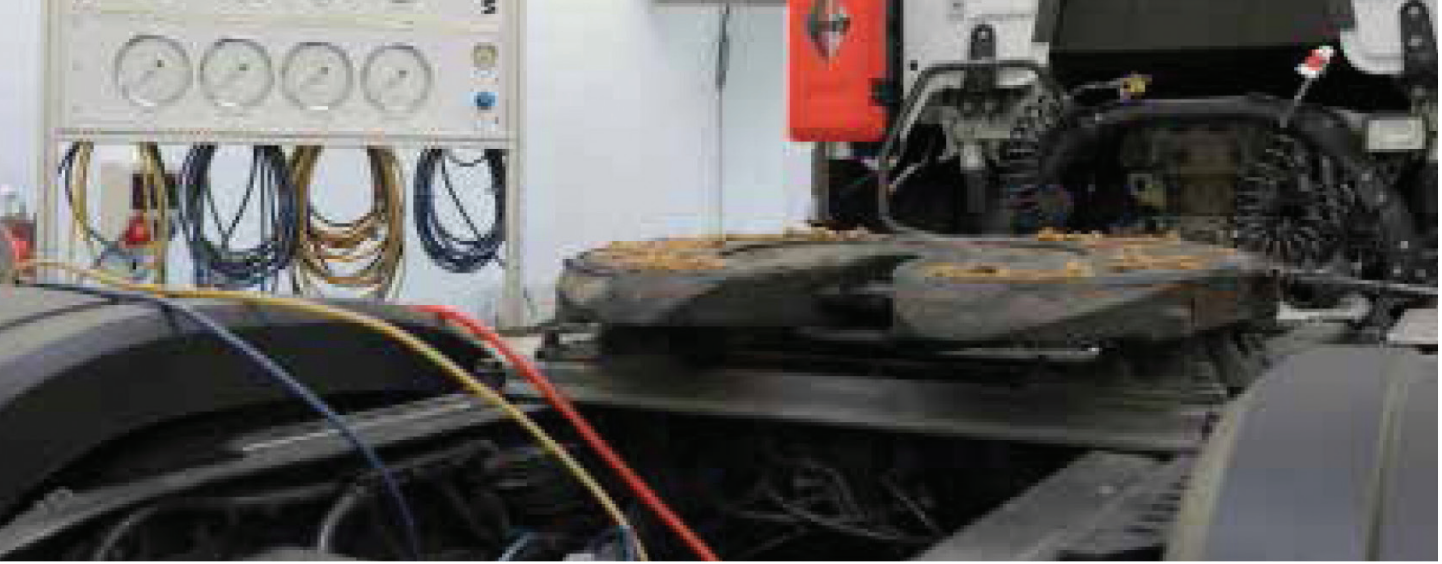
Online
Saturdays (09:00 - 15:00)
Evenings (17:00 - 20:30)

29 June
11 - 12 June



Product Training

Intro and In-house and Online Training Dates at a glance	1
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BASIC AIRBRAKES - TRAILER ABS

Course 1



Target Group

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

Summary

Covers everything braking that you need to know on old trailers, new trailers, interlinks, air & steel susp.

Includes an introduction to fault finding.

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.
(In-house only)

Note

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

Duration

3 Days / 5 Evenings

Prices

In-house R4 162.00 Excl. VAT
Online R2 497.00 Excl. VAT

In-House Office Hours

09:00 – 15:30:

- Edenvale – Gauteng.
6 - 8 February
30 September - 2 October
- Pinetown – KZN.
16 - 18 July
22 - 24 July
- Cape Town – W/Cape.
8 - 10 April

Online Saturdays

09:00 – 15:00:

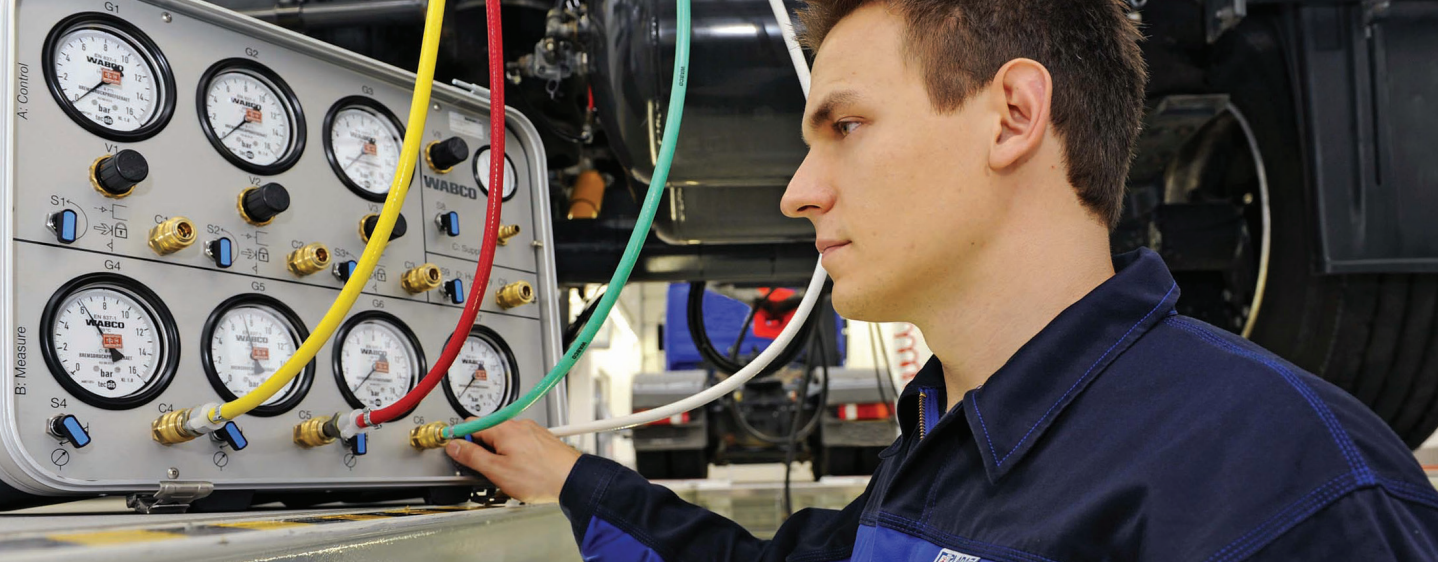
- 11, 18 & 25 May

Online Evenings

17:00 – 20:30:

- 3 - 6 & 10 June

Training dates may be added / changed to better cater for demand.



Advanced Airbrakes - Trailer EBS

Course 2a - Online Trailer EBS, Drawbars and Diagnostics



Target Group

Only available to candidates that have successfully passed Course 1.

Summary

This online course theory based and covers the difference between ABS & EBS brake systems, how Trailer and EBS and Drawbar brake systems work. Additionally including theoretical EBS diagnostic training.

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.

Course 2b - In-house Trailer EBS, Drawbars and Diagnostics

Summary

Covers both theory and hands-on practical diagnostic training. We discover the different between ABS & EBS brake systems, and exactly how Trailer EBS and Drawbar brake systems work.

Includes hands-on laptop based EBS diagnostics on our functional training jigs.

Note:

This course is 50% hands on practical.

Duration - Online
2 Days / 4 Evenings

Price
Online R2 497.00 Excl. VAT

Online Saturdays
09:00 – 15:00:

- 1 & 8 June

Online Evenings
17:00 – 20:30:

- 24 - 27 June

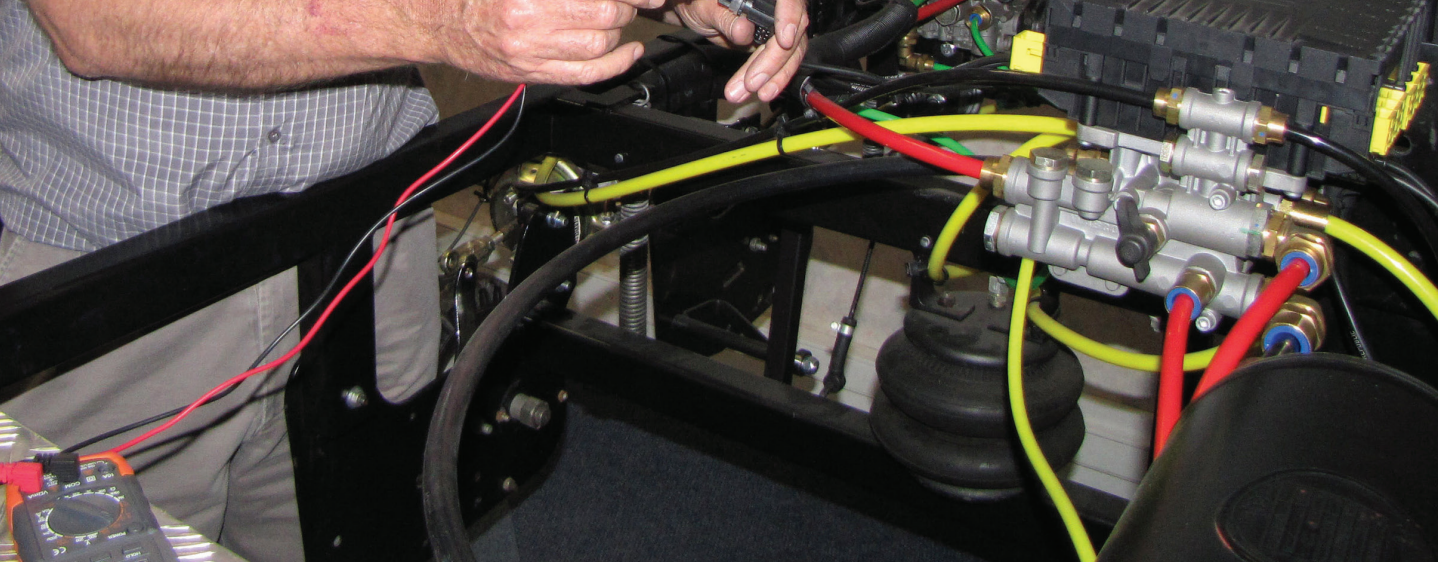
Duration - In-house
4 Days

Price
In-House R5 199.00 Excl. VAT

In-House Office Hours
09:00 – 15:00:

- Edenvale – Gauteng.
12 - 15 February
7 - 10 October
- Pinetown – KZN.
29 July - 1 August
- Cape Town – W/Cape.
15 - 18 April

Training dates may be added / changed to better cater for demand.



Advanced Fault Finding - Trailer

Course 3



Target Group

This course would suit candidates that have already successfully passed our Course 1.

Summary

If the trailer brakes leak, bind, burn, wear too quickly or are trying to push your truck tractor off the road, we will likely have the all these faults covered in a handy workbook.

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.
- 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.

Duration
2 Days

Price
R5 199.00 Excl. VAT

In-house - Office Hours
09:00 – 15:30:

- Edenvale – Gauteng.
15 - 16 October
- Pinetown – KZN.
19 - 20 August
- Cape Town – W/Cape.
6 - 7 May

Training dates may be added / changed to better cater for demand.



Basic Airbrakes - Truck ABS

Course 4



Target Group

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

Summary

Covers from the older simple brake systems to the more recent, less simple, but safer brake and control systems. Includes what is Predominance and how to test to see if it is too high (trailer lining wear) or too low (risk of jack-knife).

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.
 - Test station brake reports. Are your truck's brakes really that good? We show test station passes that should have been failures. Brake efficiency is easily calculated. We show you how.

Duration
3 Days

Price
R 6 240.00 Excl. VAT

In-house - Office Hours
09:00 – 15:30:

- Edenvale – Gauteng.
20 - 22 February
21 - 23 October
- Pinetown – KZN.
13 - 15 August
- Cape Town – W/Cape.
23 - 25 April

Training dates may be added / changed to better cater for demand.



Advanced Fault Finding - Truck

Course 5



Target Group

Only available to candidates that have successfully passed Course 4.

Summary

If the truck brakes leak, bind, burn, wear too quickly or are trying to push your truck tractor off the road, we will likely have the all these faults covered in a handy workbook.

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.

Duration
2 Days

Price
R4 730.00 Excl. VAT

In-house - Office Hours
09:00 – 15:30:

- Edenvale – Gauteng.
28 - 29 October
- Pinetown – KZN.
21 - 22 August
- Cape Town – W/Cape.
8 - 9 May

Training dates may be added / changed to better cater for demand.



Trailer Brakes Health Check

Course 6 Online and In-House



Target Group

This course would suit candidates that have already successfully passed our Course 1.

Summary

Leave nothing to chance. It stands to reason, a healthy trailer gets the job done at the lowest cost.

Learning Content

We share our logical step-by-step checklist, with examples to help you or your team to get your trailers into peak operating spec. Our checklist takes the hit and miss out of checking your trailers and helps to highlight faults before they become expensive breakdowns.

Duration - Online
1 Day / 2 Evenings

Price
R 1 390.00 Excl. VAT

Online Saturdays
09:00 – 15:30:

- 29 June

Online Evenings
17:00 – 20:30:

- 11 - 12 June

Duration - In-house
1 Day

Price
R 1 390.00 Excl. VAT

In-house - Office Hours
09:00 – 15:30:

- Edenvale – Gauteng.
19 February
14 October
- Pinetown – KZN.
7 March
2 August
- Cape Town – W/Cape.
11 April

Training dates may be added / changed to better cater for demand.



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WABCO, Online & In-House Training Enrolment Form 2024

Please complete the grey cells. Thereafter, save this form and email back to us on: victor.curring@zaf.com

Company Name:		VAT No:		Contact Person:	
Division:		Phone:		Your position:	
Order No:		Cash/ EFT / Acc:		Cell No:	
Physical Address:				Email:	
		Qty of Trucks:		Qty of Trailers:	
		Preferred Airbrake Supplier:			
Area Code:		Preferred Trailer / Tanker Builder			
Testing ^ Certificatesincluded. Pass mark is 60%		Qty Trailers built prev. year?		Qty Trailers on order?	
Training Pref:	Online	Have a fleet Brake Spec?		Brand?	

Candidate Name & email		Cell Number & ID	Course/s	Dates	Time Pref (x)	
Name		Cell			W/Day	A/Hs
Email		ID				Sat
Name		Cell			W/Day	A/Hs
Email		ID				Sat
Name		Cell			W/Day	A/Hs
Email		ID				Sat
Name		Cell			W/Day	A/Hs
Email		ID				Sat
Name:		Cell			W/Day	A/Hs
email		ID				Sat
Name		Cell			W/Day	A/Hs
Email		ID				Sat

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