



# TRAINING CATALOGUE

KNORR-BREMSE RAILSERVICES  
TRAINING ACADEMY GERMANY



**RAILSERVICES**

# KNORR-BREMSE CUSTOMER TRAINING

TRAINING IS THE BEST WAY TO LOWER LIFE CYCLE COSTS AND ENSURE  
SAFE OPERATION

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### Learning from the manufacturer

The alterations in cities, the urban environment and the ever-increasing need for environmentally compatible mobility require the provision of efficient rail transport with constant availability. Whoever wants to keep up with the global trend must be able to rely on the excellent qualifications of their technical staff. The Knorr-Bremse RailServices Training Academy in Germany is your reliable partner for training courses and further education - either on site or virtually.

High-quality braking systems are one of the fundamental prerequisites when it comes down to the safety as well as availability of trains and fleets. In your role as an operator, repair work company, maintainer and vehicle builder, you are always dependent on the fact that your personnel possess thorough knowledge of the vehicles' braking systems.

Exactly like our company slogan: "TRAINING IS THE BEST WAY TO LOWER LIFE CYCLE COSTS AND ENSURE SAFE OPERATION": Or in German; "Training ist der beste Weg zur Senkung der Lebenszykluskosten und zur Gewährleistung eines sicheren Betriebs". This is how we can support you as a reliable partner in all matters relating to training so that your vehicles always achieve a high and safe operational readiness in the long term.

The training academy is a leading organisation in creating know-how for everything which involves the subject of brakes and maintenance. Didactically, we therefore rely on a balanced mix of classic and digital training course formats, such as the virtual classroom. Practical relevance is always provided through on-site training as well as virtually in the form of personal training or coaching on the company's own vehicles. And quite apart from all that: Who, when not the brake system manufacturer itself, would be more suitable for imparting all this knowledge?

### OUR TRAINERS

Whether in theoretical training courses or practical training courses, our trainers can always impart worldwide experience, are pedagogically trained and certified according to DB Directive 046.9015. In addition, some of the trainers have now been active in the training business for decades and have a very high level of know-how about the products and braking systems which they have to bring across.

### OUR CT<sup>2</sup>

In order to design the theoretical training course to be as practical as possible, the CT<sup>2</sup> demonstrator for rolling stock compressed air brake systems at the Berlin training centre is the focal point of our training courses. CT<sup>2</sup> stands for Computerised Train Console for Training and now lifts theoretical brake system training to a new level by mapping all brake functions and brake technologies. The demonstrator conveys and visualises the complex functional interrelationships of braking systems in a tangible way, also without the need to provide a vehicle. Partners who have their staff trained by Knorr-Bremse can therefore gain access to a worldwide uniqueness which Knorr-Bremse also utilises to train its own staff.

### OUR VIRTUAL OFFER

Utilising the "virtual classroom" enables us to bring almost all theoretical training across "on the fly" to the participants and thereby make the kilometres just disappear. In order to be able

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to provide a constant high-quality virtual classroom, two rooms in the Training Academy in Berlin have been equipped with several camera systems, lighting as well as video mixers. The theory, which is now taught in the virtual classroom, is supported by the integration of the CT<sup>2</sup> as well as hydraulics and pneumatics systems in a practical manner, so that the participants already get a good insight into the practical environment during the theoretical training course and transferring the learning process can be implemented very sustainably and quickly.

### OUR HYBRID LEARNING CONCEPT

Especially in these times of growing globalisation and increasing digitalisation, it is imperative that safety-relevant brake training is also transferred effectively, safely and professionally into the digital space. In order to fulfil this necessity, we have created a new range of hybrid learning methods at Knorr-Bremse RailServices' Training Academy in Germany. Hybrid learning is considered to be a teaching and learning concept which provides for a didactically meaningful combination of face-to-face events and virtual learning. The virtual classroom therefore concentrates on providing practical training on original equipment types.

### OUR LEARNING CONCEPT

It is also no coincidence that demand is constantly increasing and the training catalogue has become more and more comprehensive in recent years. We can customise our training courses specifically to your requirements due to a variety of modular training course modules. With our standard training concepts, on the other hand, we are still able to organise training courses in an uncomplicated way and also at short notice. Whether for practical training, coaching, virtual classrooms or hybrid learning, we are continuously integrating new learning methods into our catalogue and we also always welcome suggestions for new ideas and concepts. Feel free to contact us.



Josef Lohmaier  
(Manager of RailServices Germany Field Service & Training)  
Germany



Jens Blaufuß  
(Head of Training Academy RailServices)

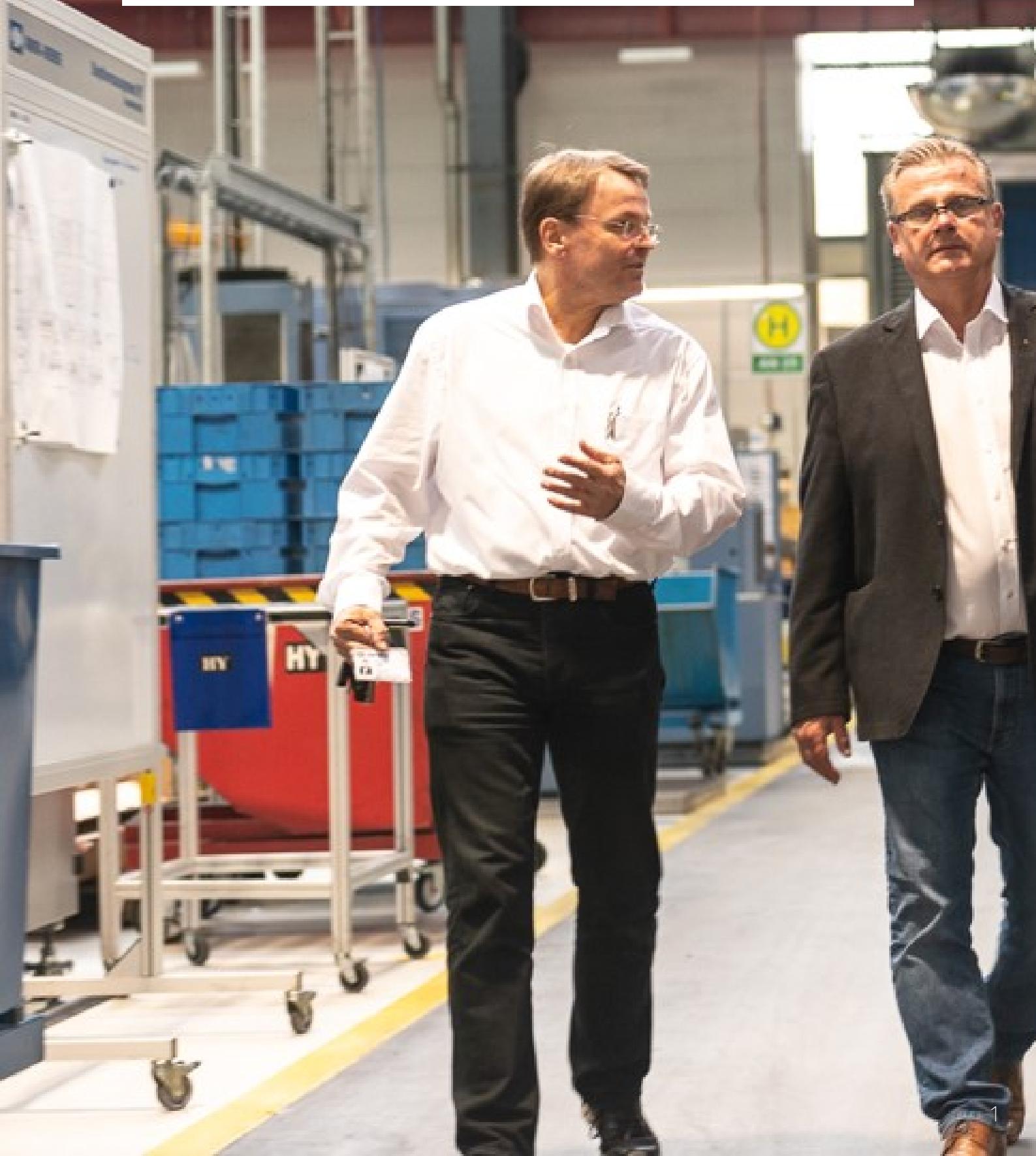
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Zepelin	6
Apple Picking	7



## EXAMPLE TRAINING 7-2

<b>TARGET GROUP</b>	This training targets motivated people.
<b>GOALS</b>	It is the goal to be an example.
<b>CONTENT</b>	This is an example for a training description
<b>PREREQUISITES</b>	There are no prerequisites.
<b>DURATION</b>	4 Days
<b>COURSE ID</b>	27

## EXAMPLE TRAINING 7-3

<b>TARGET GROUP</b>	This training targets motivated people.
<b>GOALS</b>	It is the goal to be an example.
<b>CONTENT</b>	This is an example for a training description
<b>PREREQUISITES</b>	There are no prerequisites.
<b>DURATION</b>	3 Days
<b>COURSE ID</b>	28

## EXAMPLE TRAINING 7-4

<b>TARGET GROUP</b>	This training targets motivated people.
<b>GOALS</b>	It is the goal to be an example.
<b>CONTENT</b>	This is an example for a training description
<b>PREREQUISITES</b>	There are no prerequisites.
<b>DURATION</b>	3 Days
<b>COURSE ID</b>	29

## EXAMPLE TRAINING 7-5

<b>TARGET GROUP</b>	This training targets motivated people.
<b>GOALS</b>	It is the goal to be an example.
<b>CONTENT</b>	This is an example for a training description
<b>PREREQUISITES</b>	There are no prerequisites.
<b>DURATION</b>	3 Days
<b>COURSE ID</b>	30

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## TARGET GROUP

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### GOALS

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### CONTENT

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### PREREQUISITES

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DURATION                    1 Days

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COURSE ID                    32

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# APPLE PICKING

**TARGET GROUP** sdfsfdf

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**GOALS** TTTT

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**CONTENT** sdfsfdf

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**PREREQUISITES** ssss

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**DURATION** 5 Days

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**COURSE ID** 33

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## EXAMPLE TRAINING 2-1

<b>TARGET GROUP</b>	This training targets motivated people.
<b>GOALS</b>	It is the goal to be an example.
<b>CONTENT</b>	This is an example for a training description
<b>PREREQUISITES</b>	There are no prerequisites.
<b>DURATION</b>	3 Days
<b>COURSE ID</b>	1

## EXAMPLE TRAINING 2-2 ENGLISH

<b>TARGET GROUP</b>	This training targets motivated people.
<b>GOALS</b>	It is the goal to be an example.
<b>CONTENT</b>	This is an example for a training description
<b>PREREQUISITES</b>	There are no prerequisites.
<b>DURATION</b>	3 Days
<b>COURSE ID</b>	2

## EXAMPLE TRAINING 2-3 ENGLISCH

<b>TARGET GROUP</b>	This training targets motivated people.
<b>GOALS</b>	It is the goal to be an example.
<b>CONTENT</b>	This is an example for a training description
<b>PREREQUISITES</b>	There are no prerequisites.
<b>DURATION</b>	3 Days
<b>COURSE ID</b>	3

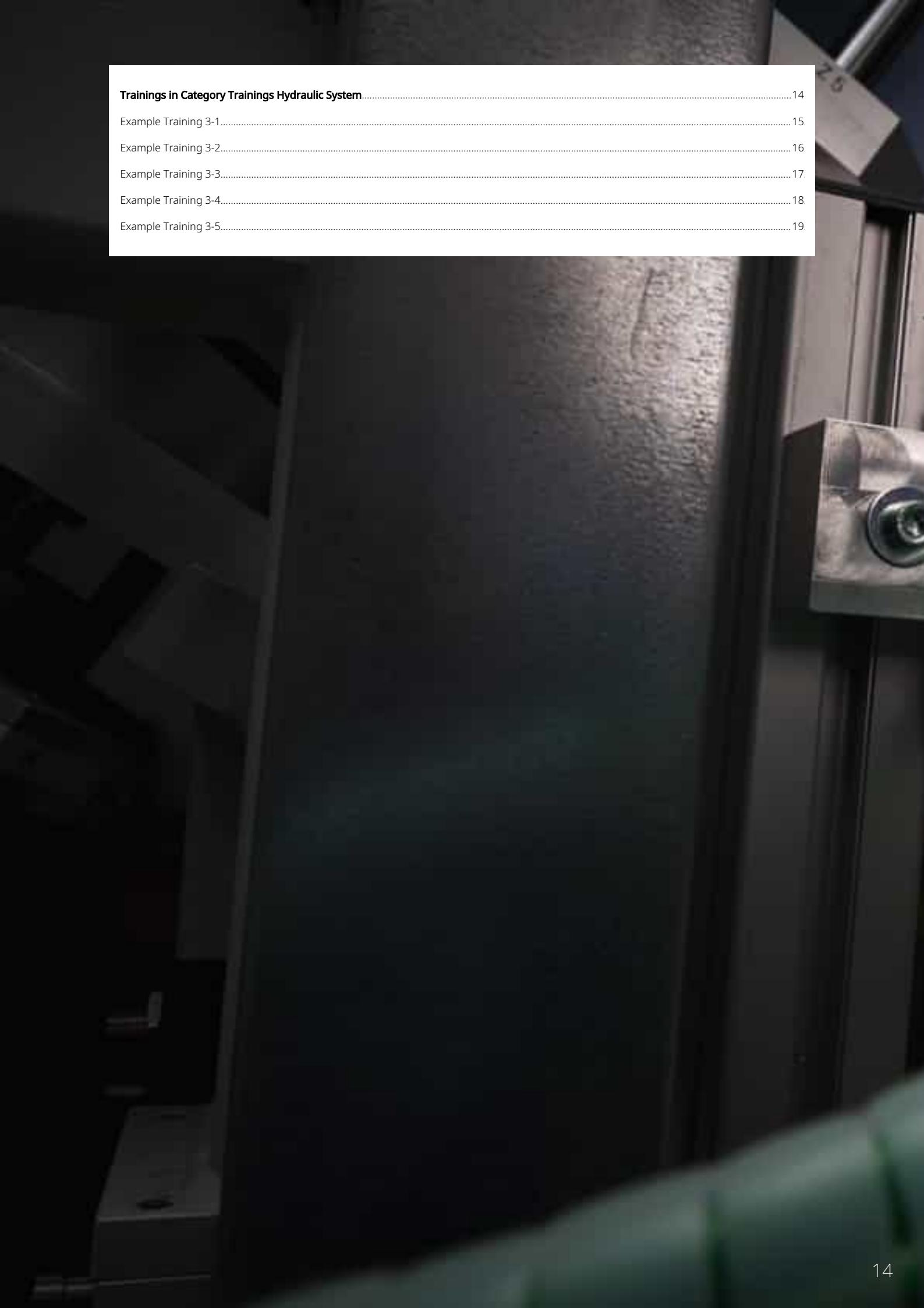
## EXAMPLE TRAINING 2-4

<b>TARGET GROUP</b>	This training targets motivated people.
<b>GOALS</b>	It is the goal to be an example.
<b>CONTENT</b>	This is an example for a training description
<b>PREREQUISITES</b>	There are no prerequisites.
<b>DURATION</b>	3 Days
<b>COURSE ID</b>	4

## EXAMPLE TRAINING 2-5

<b>TARGET GROUP</b>	This training targets motivated people.
<b>GOALS</b>	It is the goal to be an example.
<b>CONTENT</b>	This is an example for a training description
<b>PREREQUISITES</b>	There are no prerequisites.
<b>DURATION</b>	3 Days
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## EXAMPLE TRAINING 3-1

<b>TARGET GROUP</b>	This training targets motivated people.
<b>GOALS</b>	It is the goal to be an example.
<b>CONTENT</b>	This is an example for a training description
<b>PREREQUISITES</b>	There are no prerequisites.
<b>DURATION</b>	3 Days
<b>COURSE ID</b>	6



## EXAMPLE TRAINING 3-2

<b>TARGET GROUP</b>	This training targets motivated people.
<b>GOALS</b>	It is the goal to be an example.
<b>CONTENT</b>	This is an example for a training description
<b>PREREQUISITES</b>	There are no prerequisites.
<b>DURATION</b>	3 Days
<b>COURSE ID</b>	7

## EXAMPLE TRAINING 3-3

<b>TARGET GROUP</b>	This training targets motivated people.
<b>GOALS</b>	It is the goal to be an example.
<b>CONTENT</b>	This is an example for a training description
<b>PREREQUISITES</b>	There are no prerequisites.
<b>DURATION</b>	3 Days
<b>COURSE ID</b>	8

## EXAMPLE TRAINING 3-4

<b>TARGET GROUP</b>	This training targets motivated people.
<b>GOALS</b>	It is the goal to be an example.
<b>CONTENT</b>	This is an example for a training description
<b>PREREQUISITES</b>	There are no prerequisites.
<b>DURATION</b>	3 Days
<b>COURSE ID</b>	9



## EXAMPLE TRAINING 3-5

<b>TARGET GROUP</b>	This training targets motivated people.
<b>GOALS</b>	It is the goal to be an example.
<b>CONTENT</b>	This is an example for a training description
<b>PREREQUISITES</b>	There are no prerequisites.
<b>DURATION</b>	3 Days
<b>COURSE ID</b>	10

<b>Trainings in Category Trainings Pneumatics.....</b>	20
Example Training 4-1.....	21
Example Training 4-2.....	22
Example Training 4-3.....	23
Example Training 4-4.....	24
Example Training 4-5.....	25



## EXAMPLE TRAINING 4-1

<b>TARGET GROUP</b>	This training targets motivated people.
<b>GOALS</b>	It is the goal to be an example.
<b>CONTENT</b>	This is an example for a training description
<b>PREREQUISITES</b>	There are no prerequisites.
<b>DURATION</b>	3 Days
<b>COURSE ID</b>	11

## EXAMPLE TRAINING 4-2

<b>TARGET GROUP</b>	This training targets motivated people.
<b>GOALS</b>	It is the goal to be an example.
<b>CONTENT</b>	This is an example for a training description
<b>PREREQUISITES</b>	There are no prerequisites.
<b>DURATION</b>	3 Days
<b>COURSE ID</b>	12

## EXAMPLE TRAINING 4-3

<b>TARGET GROUP</b>	This training targets motivated people.
<b>GOALS</b>	It is the goal to be an example.
<b>CONTENT</b>	This is an example for a training description
<b>PREREQUISITES</b>	There are no prerequisites.
<b>DURATION</b>	3 Days
<b>COURSE ID</b>	13

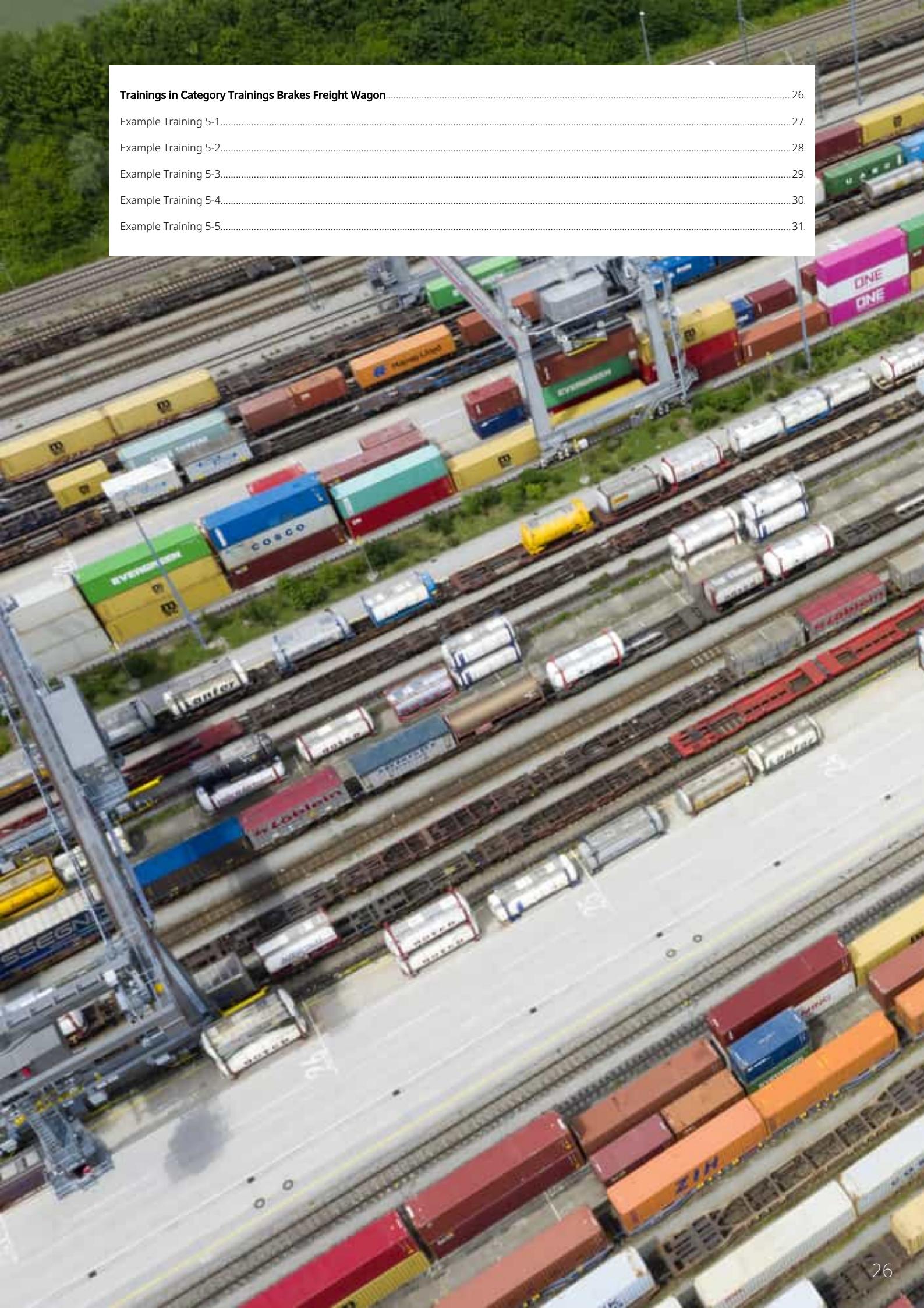
## EXAMPLE TRAINING 4-4

<b>TARGET GROUP</b>	This training targets motivated people.
<b>GOALS</b>	It is the goal to be an example.
<b>CONTENT</b>	This is an example for a training description
<b>PREREQUISITES</b>	There are no prerequisites.
<b>DURATION</b>	3 Days
<b>COURSE ID</b>	14

## EXAMPLE TRAINING 4-5

<b>TARGET GROUP</b>	This training targets motivated people.
<b>GOALS</b>	It is the goal to be an example.
<b>CONTENT</b>	This is an example for a training description
<b>PREREQUISITES</b>	There are no prerequisites.
<b>DURATION</b>	3 Days
<b>COURSE ID</b>	15

<b>Trainings in Category Trainings Brakes Freight Wagon</b>	26
Example Training 5-1	27
Example Training 5-2	28
Example Training 5-3	29
Example Training 5-4	30
Example Training 5-5	31





## EXAMPLE TRAINING 5-1

<b>TARGET GROUP</b>	This training targets motivated people.
<b>GOALS</b>	It is the goal to be an example.
<b>CONTENT</b>	This is an example for a training description
<b>PREREQUISITES</b>	There are no prerequisites.
<b>DURATION</b>	3 Days
<b>COURSE ID</b>	16



## EXAMPLE TRAINING 5-2

<b>TARGET GROUP</b>	This training targets motivated people.
<b>GOALS</b>	It is the goal to be an example.
<b>CONTENT</b>	This is an example for a training description
<b>PREREQUISITES</b>	There are no prerequisites.
<b>DURATION</b>	3 Days
<b>COURSE ID</b>	17



## EXAMPLE TRAINING 5-3

<b>TARGET GROUP</b>	This training targets motivated people.
<b>GOALS</b>	It is the goal to be an example.
<b>CONTENT</b>	This is an example for a training description
<b>PREREQUISITES</b>	There are no prerequisites.
<b>DURATION</b>	3 Days
<b>COURSE ID</b>	18



## EXAMPLE TRAINING 5-4

<b>TARGET GROUP</b>	This training targets motivated people.
<b>GOALS</b>	It is the goal to be an example.
<b>CONTENT</b>	This is an example for a training description
<b>PREREQUISITES</b>	There are no prerequisites.
<b>DURATION</b>	3 Days
<b>COURSE ID</b>	19



## EXAMPLE TRAINING 5-5

<b>TARGET GROUP</b>	This training targets motivated people.
<b>GOALS</b>	It is the goal to be an example.
<b>CONTENT</b>	This is an example for a training description
<b>PREREQUISITES</b>	There are no prerequisites.
<b>DURATION</b>	3 Days
<b>COURSE ID</b>	20

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Example Training 6-1.....	33
Example Training 6-2.....	34
Example Training 6-3.....	35
Example Training 6-4.....	36
Example Training 6-5.....	37



## EXAMPLE TRAINING 6-1

<b>TARGET GROUP</b>	This training targets motivated people.
<b>GOALS</b>	It is the goal to be an example.
<b>CONTENT</b>	This is an example for a training description
<b>PREREQUISITES</b>	There are no prerequisites.
<b>DURATION</b>	3 Days
<b>COURSE ID</b>	21

## EXAMPLE TRAINING 6-2

<b>TARGET GROUP</b>	This training targets motivated people.
<b>GOALS</b>	It is the goal to be an example.
<b>CONTENT</b>	This is an example for a training description
<b>PREREQUISITES</b>	There are no prerequisites.
<b>DURATION</b>	3 Days
<b>COURSE ID</b>	22

## EXAMPLE TRAINING 6-3

<b>TARGET GROUP</b>	This training targets motivated people.
<b>GOALS</b>	It is the goal to be an example.
<b>CONTENT</b>	This is an example for a training description
<b>PREREQUISITES</b>	There are no prerequisites.
<b>DURATION</b>	3 Days
<b>COURSE ID</b>	23

## EXAMPLE TRAINING 6-4

<b>TARGET GROUP</b>	This training targets motivated people.
<b>GOALS</b>	It is the goal to be an example.
<b>CONTENT</b>	This is an example for a training description
<b>PREREQUISITES</b>	There are no prerequisites.
<b>DURATION</b>	3 Days
<b>COURSE ID</b>	24

## EXAMPLE TRAINING 6-5

<b>TARGET GROUP</b>	This training targets motivated people.
<b>GOALS</b>	It is the goal to be an example.
<b>CONTENT</b>	This is an example for a training description
<b>PREREQUISITES</b>	There are no prerequisites.
<b>DURATION</b>	3 Days
<b>COURSE ID</b>	25