

Mobile crane operator TCVT W4-01 Target

group and entry requirements.

The Occupational Health and Safety Act stipulates that the employer must ensure, that his staff is adequately trained. In addition, the requirements for a machinist's knowledge and insight are getting higher and higher.

The operator who performs lifting work with a mobile crane suitable for lifting free-hanging loads, where the machine has a load moment of 10 ton-meter or more and or a maximum hook height of 20 meters or more must legally be in possession of the TCVT-W4-01 Certificate 'Mobile Crane Operator'. [Working Conditions Regulations Article 7.6](#)

The scheme Mobile Crane Operator is a basic scheme in addition to operating a mobile telescopic or crawler crane also applicable to machines under the schemes TCVT W4-04 , W4-05 , W4-07. also a specific type of mobile crane.

It is often very unclear whether one is talking about exclusively hoisting work on a construction site or outside it. The TCVT certification is legally required when performing lifting operations in civil engineering work summarized in the [list civil engineering work](#)

In case of possible doubt, the advice on behalf of insurance companies is to use the TCVT certificate at all times to comply with policy conditions.

The training has been developed in close cooperation with the industry and a number of leading suppliers of cranes, crane rental companies and the Vertical Transport Association (VVT) . Also, the training is fully tailored to the exam, which is based on the certification scheme 'Machinist mobile crane of the Foundation Supervision Certification Vertical Transport (TCVT RA).

Persons wishing to participate in training must be 18 years of age or older and medically fit.

This entire training is in accordance with [Occupational Health and Safety Decree Article 8](#)

The employer shall ensure that employees are provided with effective instruction on working conditions appropriate to their various tasks.

Global curriculum

The purpose of the training is to familiarize people with the mobile crane so that they can set up and operate it in a safe and controlled manner in all conditions for the preparation and execution of lifting operations.

Candidates become aware of all possible dangers that may arise in the process.

It is also necessary to learn how to properly handle and supervise the loads as well as correct clear communication with all those involved in the lifting operation.

The course is taught by experienced and well-trained instructors who themselves have long-term working experience with the mobile crane. We work with a TCVT approved mobile crane of at least

35 tons to a maximum of 45 tons.

Candidates will be given a training folder at the beginning of the course that can also serve as a reference book.

Candidates are also expected to spend time on home study and homework assignments during the training period for the theory part.

As an option, an additional E-learning program is available for this training for support before the training begins.

During the theory section, the following topics will be covered:

- Legal requirements
- Documents for the machine and for the operator
- Technology
- Work Preparation
- T.R.A and L.M.R.A.
- Determination and calculation of loads using dimensions, specific mass and center of gravity
- Interpretation of work permit, purpose, method and safety regulations
- Types of lifting equipment and certification as well as reject standards and uses
- Choice of hoisting equipment to perform a lifting job
- Concepts such as safe working load, outside angle, force distribution, safety factor
- The arm signals, use of walkie-talkie or combination
- Application and requirements for lifting equipment and lifting accessories
- Various techniques for lifting and securing loads
- Communications
- Safety

The practical instruction includes applying the safety requirements in practice:

- Work Preparation
- Starting control of the machine
- L.M.R.A.
- Determination and calculation of loads using dimensions, specific mass and center of gravity
- Choice and control of lifting equipment before commencement of work
- Control of workplace, delineate work area
- Environmental factors
- Choice of lifting equipment to perform the task
- Consult with the rigger on how to signal
- Determining the dangers of docking certain loads
- Perform lifting exercises with a variety of lifting equipment
- Performing lifting tasks as a test

Maximum number of participants

For this training is possible with a maximum of 4 participants per instructor - per crane.

Resources

All required resources are described in the [TCVT RA exam protocol VT 410](#)

V-TAS owns the necessary mobile crane and all mandatory required materials to provide the training.

Exam

Attached to the training is a TCVT RA exam. The exam consists of theory and a practical part. For the theory part, 50 questions have to be answered, of which at least 42 have to be correct. The practical exam consists of preparing and executing at least 2 complete hoisting assignments

Which are determined by TCVT RA.

If the exam is passed, the student will receive a TCVT W4-01 Registration, you will receive your new registration and app after paying the invoice (which you will receive by email).

The invoice goes to the driver because registration is personal (cf. the driver's license). Who pays the bill is free.

Validity period of the certificate

The period of validity of the registration is five (5) years.

The validity of the registration can be checked through the TCVT register for personal certificates www.tcvt-ra.nl.

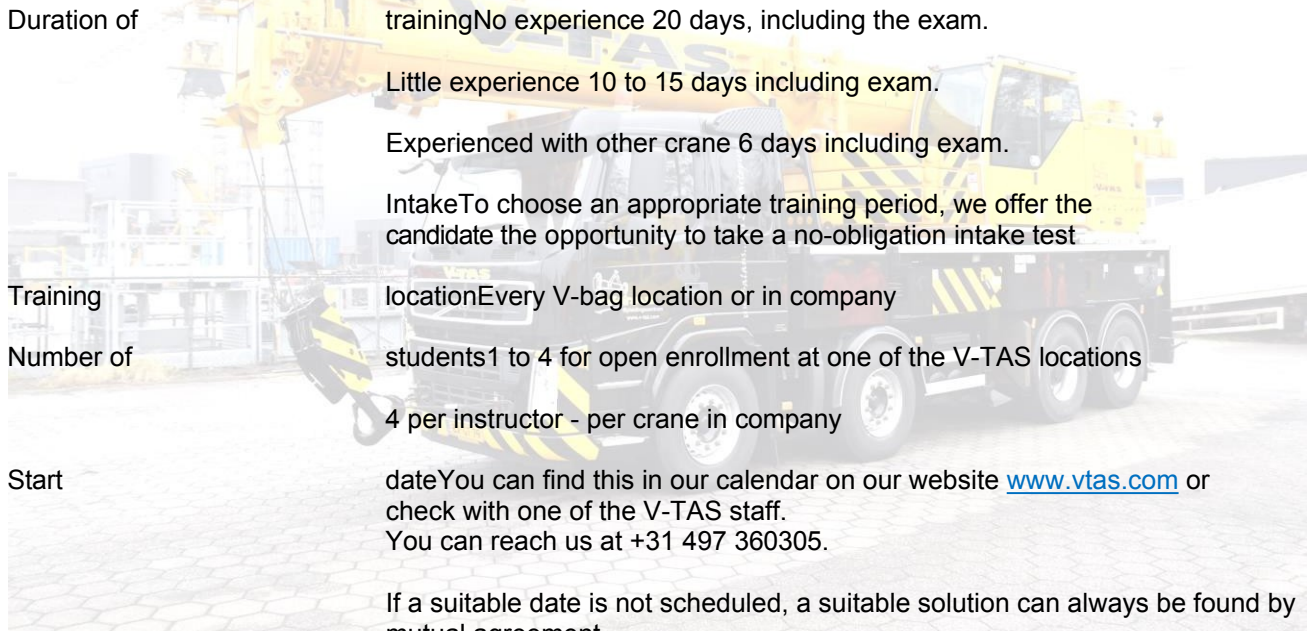
Recertification

To be eligible for recertification as a certificate holder, it must be demonstrated that during those five (5) years (see b.) all of the following conditions have been met by the registration holder:
Continuing education focused on current events and any updated laws and regulations:

2 training days (4 day parts) have been attended with a TCVT recognized trainer, and
1 training day (2 half-days) is attended in the first 36 months of the five-year period and
the 2nd training day (2 half-days) is attended in the last 24 months of the 5-year period.

Training is recorded in the TCVT RA register.

General information



Duration of	training	No experience 20 days, including the exam. Little experience 10 to 15 days including exam. Experienced with other crane 6 days including exam.
	Intake	To choose an appropriate training period, we offer the candidate the opportunity to take a no-obligation intake test
Training	location	Every V-bag location or in company
Number of	students	1 to 4 for open enrollment at one of the V-TAS locations 4 per instructor - per crane in company
Start	date	You can find this in our calendar on our website www.vtas.com or check with one of the V-TAS staff. You can reach us at +31 497 360305. If a suitable date is not scheduled, a suitable solution can always be found by mutual agreement .
Code 95	refresher training hours	21 hours of theory hours
Subsidy Colland - KMO-Portefeuille	possibilities	V-TAS is recognized as a training provider by: SOOB - OOM -

Learn more

For more information, tailored advice, a quotation, a registration or for all your other questions, please contact one of our specialists. They will be happy to help you make the right choice or provide you with the correct and up-to-date answers to your questions if you wish.

ECOL mobile crane operator course rated at MBO 3 level

The training required to obtain the ECOL certificate of professional competence for mobile crane operator is rated at EQF level 3 by the NLQF. ECOL stands for European Crane Operators License. In the Netherlands this is comparable to a vocational training leading to an MBO 3 diploma. The VVT considers this a particularly nice result and has enormous appreciation for all the people from the countries who have participated in the ECOL project, including the VVT.

TCVT and ECOL equivalent

The ECOL certificate is equivalent to the Dutch TCVT certificate. An ECOL operator is at least as skilled as a TCVT certified operator. TCVT RA is therefore going to include holders of an ECOL certificate in the new TCVT RA register for crane operators.

ECOL is an objective of the VVT

For years, the VVT has been striving for a European certificate for train drivers. The goal is to lay down an equal standard in Europe so that when work is carried out across national borders, no safety risks arise because of differences in the skills of the operator. In the Netherlands we have had the mandatory TCVT certificate of professional competence for crane operators for more than 20 years; the rest of Europe followed much later, often at a much lower level, and sometimes not at all. In order to achieve a European standard, as well as recognition of it, the ECOL project was started. ECOL stands for European Crane Operators License. ECOL sets requirements for training, trainers and examination institutions, whereby training and examination are independent of each other.

There are already ECOL courses in the Netherlands and Denmark and soon in Belgium and Germany. The ECOL exam can already be taken in the Netherlands and Denmark.



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