

Course Maintenance



In short

The Maintenance (in English) course discusses modern theories about maintenance and modern techniques for condition monitoring. During this course you will extend your professional knowledge of maintenance of mechanical drive systems. You will also work on assembling and adjusting mechanical components. You will learn how to detect faults and carry out planned maintenance and inspections. The aspects discussed during this course are mechanical drive technology, maintenance strategies and concepts, cost-conscious maintenance, productivity, condition measurements on drive systems, lubrication systems, assembling and dismantling.

Who is it for?

If you work in mechanical maintenance technology, but lack professional knowledge and skills in the field of mechanical drives and the associated required maintenance aspects and would like to take a course in English, then this course is highly suitable.

If you want a more flexible study format, choose the Maintenance with e-learning course.

Previous education

You will be trained at the Maintain level. Specific previous education is not required. But affinity with technology is!



Course Maintenance

Goal

After you have completed the Maintenance (in English) course, you will have laid a broad foundation for maintenance of mechanical drive systems. You can troubleshoot and resolve faults, perform planned maintenance and inspections. Assembling, dismantling mechanical components, such as bearings, geared and chain/belt transmissions will be familiar terrain for you. You can adjust, tighten and align components to get the machine in the right condition and make sure it stays that way. Moreover, you are able to help think along with the continuous improvement process to limit machine downtime to a minimum.



Course goals

This means that you will have the following skills after completing the course:

Replacing and repairing components and putting them into service:

- assembling and dismantling equipment and components
- adjusting equipment and components
- testing that the system works
- handover and reporting to the client

Professional knowledge, operation of systems and equipment:

- reading diagrams and drawings
- explaining the structure and operation of systems
- explaining the operation of equipment and components
- insight into relevant (basic) technical concepts
- understanding the jargon
- using measuring equipment and tools

Performing planned maintenance and inspections:

- reading and using maintenance schedules
- applying maintenance methods using maintenance tools
- carrying out maintenance
- conducting visual (technical) inspections
- carrying out measurements and test runs (determining the condition)
- carrying out planned maintenance and inspections

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Contents

- structure of mechanical drive systems
- the importance of maintenance for mechanical drives
- maintenance strategies, depending on faults, usage, condition or patterns: selection of the right method
- condition measurements using the human senses
- condition measurements using simple equipment
- condition measurements using more complex equipment
- lubrication and lubrication systems
- assembling and dismantling bearings, chain and belt transmissions, clutches and brakes
- aligning, adjusting, tightening
- how to use the above-mentioned knowledge and skills in your own practice using measuring equipment and tools

Practicals

The Maintenance (in English) course contains two practical days in which you learn the following:

Replacing and repairing components and putting them into service:

- applying various methods of condition measurements
- carrying out the correct lubrication actions
- carrying out inspections on machines
- assembling and dismantling bearings, geared and chain/belt transmissions, clutches and brakes
- adjusting, tightening and aligning mechanical components

The practical days start at 09:00 and end at 16:00. The costs of coffee/tea and lunch during the practical day are of course included in the price.

ROVC courses focus on training from a practical perspective with the practical use in mind. You can practice on safe and modern practice systems at the unique ROVC TechCenter (which has a practicals area of more than 3,000 m²). The tasks are based on situations that you will encounter in practice. The practical work will be performed under professional supervision. In addition, practical cases are frequently used during the lessons, and the teachers use examples from their own work practice. You will of course be allowed to present examples of your own too.



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Completion

This course will culminate in a centralized examination. If the final result is positive, you will receive a generally recognized diploma.

CerTech

ROVC cooperates with CerTech for organizing our examinations. CerTech is an independent examination organization that is responsible for developing, organizing and holding examinations and tests. On instructions from sector organizations, consulting agencies and training institutions, more than 10,000 candidates are examined every year. These are in particular examinations that focus on technology, safety, security and organization & communication. If you have any questions about examinations or if you are looking for a partner to organize your examinations, please call CerTech on +31 (0)318-698605 or go to www.certech.nl

Course variants

Open network

ROVC plans its courses at several locations throughout the Netherlands, so there is always a training course in your area.

Duration	Number of meetings	All-in price (excl. VAT)
2 months	7 days of which two are practical days in Ede	€1,995

In-company

The Maintenance (in English) course can also be organised in-company and can be tuned to your wishes and requirements, if necessary. ROVC has a suitable solution for any issue. Please contact your account manager or call us on +31 (0)318-698698.

Starting dates and locations

If you would like to start this course, go to www.rovc.nl for our current starting dates and locations.

