

1. TITLE OF THE CERTIFICATE (ES)

**Certificado de Profesionalidad de nivel 2 en
TMVG0409 MANTENIMIENTO DEL MOTOR Y SUS SISTEMAS AUXILIARES**

2. TRANSLATED TITLE OF THE CERTIFICATE (EN)

**Professional Certificate Level 2 in
TMVG0409 MAINTENANCE OF ENGINES AND THEIR AUXILIARY SYSTEMS
(This translation has no legal status)**

3. PROFILE OF SKILLS AND COMPETENCES

The holder of this certificate will have acquired the **general competence** to carry out maintenance on the engine and its auxiliary systems in cars, industrial vehicles, motorcycles, agricultural machinery, construction and public works machinery and rail rolling stock, applying techniques and procedures established by the manufacturer, and achieving the level of quality required in conditions of safety. This general competence is divided into the following **skills units** (UC):

- Carry out maintenance on combustion engines (UC0132_2).
- Carry out maintenance on the auxiliary systems of combustion engines (UC0133_2).

The professional skills are acquired through the **learning outcomes** defined within the related Training Modules (MF):

- Engines (MF0132_2).
- Auxiliary engine systems (MF0133_2).
- Practical training at the workplace in maintenance of engines and their auxiliary systems (MP0255).

(See legal basis for all learning outcomes information acquired by the holder of this Certificate in each MF).

As a reference the learning outcomes include in the Practical training at the workplace that complete and reinforce the learning outcomes acquired in the other training modules, are:

- Participate in the processes of vehicle reception and delivery.
- Collaborate on the management of the warehouse, orders for parts and consumables.
- Repair the engines and their auxiliary systems, in a real-life work situation.
- Take part in the company's working processes, following the rules and instructions established at the workplace.

4. RANGE OF OCCUPATIONS ACCESSIBLE TO THE HOLDER OF THIS CERTIFICATE

The holder of this certificate may work in the maintenance and installation of engines and their auxiliary systems in cars, industrial vehicles, motorcycles, agricultural and public works machinery and rail rolling stock. The holder may work in companies that carry out electromechanical maintenance work on combustion engines, as well as manufacturers of vehicles and their components; companies dedicated to the technical inspection of vehicles; test facilities for vehicle assemblies and sub-assemblies; as well as companies dedicated to the manufacture of testing and diagnostic equipment and vehicle spare parts. The most pertinent occupations and positions are:

- Car engine and auxiliary systems mechanic.
- Industrial vehicle engine and auxiliary systems mechanic.
- Diesel equipment mechanic.
- Machine operator in companies dedicated to the manufacture of spare parts.
- Motorcycle auxiliary systems mechanic.
- Mechanic working on engines and their auxiliary systems in agricultural and public works machinery.
- Rail rolling stock engine and auxiliary systems mechanic.
- Truck and bus mechanic/fitter in general.
- Vehicle petrol engine mechanic/fitter.
- Diesel engines (vehicles) mechanic/fitter.
- Engine and injection equipment (diesel or petrol) mechanic/fitter.
- Car mechanic/fitter in general (cars and vans).

The holder of this professional certificate has recognition of the basic level training in labour risk prevention, according to Annex IV of the Royal Decree 39/1997 of 17 of January approving the Labour Risks Prevention Act.

5. OFFICIAL BASIS OF THE CERTIFICATE

Name and status of the national/regional authority providing accreditation/recognition of the certificate

The Ministry of Employment and Social Security or the corresponding autonomous regional administration within the scope of its competence, in the name of the King. The certificate is valid throughout Spain.

Level of the certificate

The Professional Certificate Level 2 of the National Repertoire of Professional Certificates corresponds to level 3 of the International Standard Classification of Education (ISCED-P 2011).

The European Qualification Framework (EQF) level:

Grading scale/Pass requirements

The grading scale and pass level of the training modules are expressed on a scale of 0 to 10. The minimum score for a pass is 5 in every training module including a pass in the practical training at the workplace module.

The grading system is as follows:

- FAIL: 0 to 4.9
- PASS-SATISFACTORY: 5 to 6.9
- PASS-GOOD: 7 to 8.9
- PASS-EXCELLENT: 9 to 10

Access to next level of education/training

This Professional Certificate Level 2 gives access to Professional Certificate Level 3 within the same professional area and family.

For validation purposes, the educational authorities will recognise the professional module or modules of the VET diplomas corresponding to the skills units included in the training modules of this certificate.

Legal basis

Royal Decree 723/2011 of 20 May, establishing eleven professional certificates in the professional family Transport and Vehicle Maintenance, which are included in the National Repertoire of Professional Certificates. (Appendix V, Code: TMVG0409). Amended by Royal Decree 626/2013 of 2 August, establishing six professional certificates and updating the professional certificates established as Appendix V of Royal Decree 723/2011 of 20 May, and as Appendix V of Royal Decree 1539/2011 of 31 October.

6. OFFICIALLY RECOGNISED WAYS OF ACQUIRING THE CERTIFICATE

This certificate may be acquired by:

1. Training: Completion with a pass grade of the face-to-face or online training programme.
2. Recognition of the professional skills acquired through professional experience or non-formal training (prior learning): Completion of a process of skills evaluation and accreditation in all the skills units making up the professional certificate.
3. Dual training: Completion of a training and apprenticeship contract, which may range from 1 year (or 6 months, if stipulated as such in the collective agreement) to 3 years, during which effective working time is combined with time dedicated to training under the training programme for the professional certificate.

The training method (number 1 above) requires successful completion of the training modules and the practical training at the workplace:

Description of vocational training received	Percentage of total programme (%)	Duration (hours)
Training modules	85	440
Practical training at the workplace	15	80
Total duration of training leading to the certificate		520

Entry/access requirements:

- Compulsory Secondary Education Diploma (Lower secondary education); or
- Professional Certificate Level 1 in the same professional area.
- If neither of the above or higher certifications are held, a pass in the key skills tests.

Additional information: Professional certificates are instruments for official accreditation of the professional qualifications in the National Catalogue of Professional Qualifications for all economic activities, within the scope of the labour administration. The National Repertoire of Professional Certificates is divided into three qualification levels (Level 1, Level 2 and Level 3), and by sectors into 26 professional families and 102 professional areas. More information is available at: www.sepe.es

National Europass Centre: www.oapee.es

(*) **Explanatory note:** This document is designed to provide additional information about the specified certificate, but has no legal status in itself. The format of the description is based on the following texts: Council Resolution 93/C 49/01 of 3 December 1992 on the transparency of qualifications; Council Resolution 96/C 224/04 of 15 July 1996 on the transparency of vocational training certificates; and Recommendation 2001/613/EC of the European Parliament and of the Council of 10 July 2001 on mobility within the Community for students, persons undergoing training, volunteers, teachers and trainers.

More information is available at: <http://europass.cedefop.eu.int>

Information on Professional Certificates of the Map of Qualifications and Vocational Training in Spain

