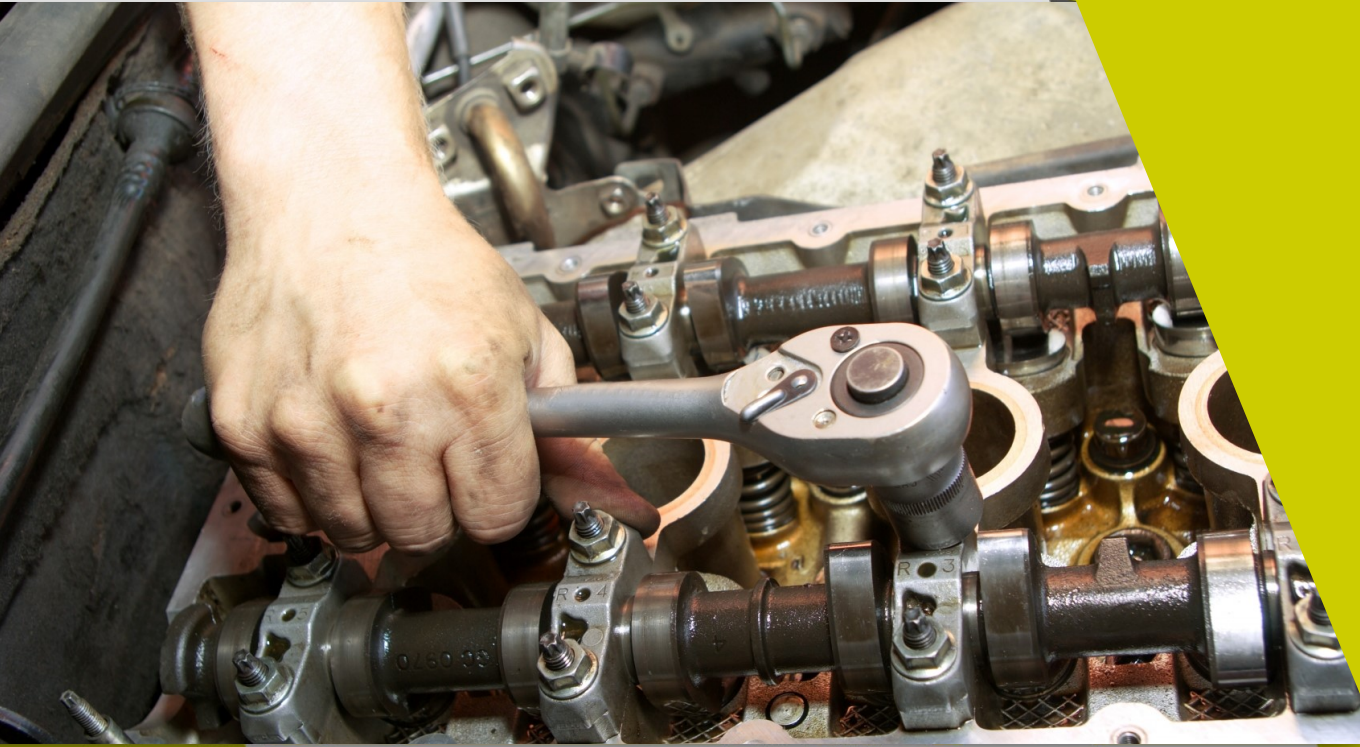




# HCT

Progressive, Innovative & Interactive Training



## Agricultural Mechanics

LEVEL 5



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# HCT

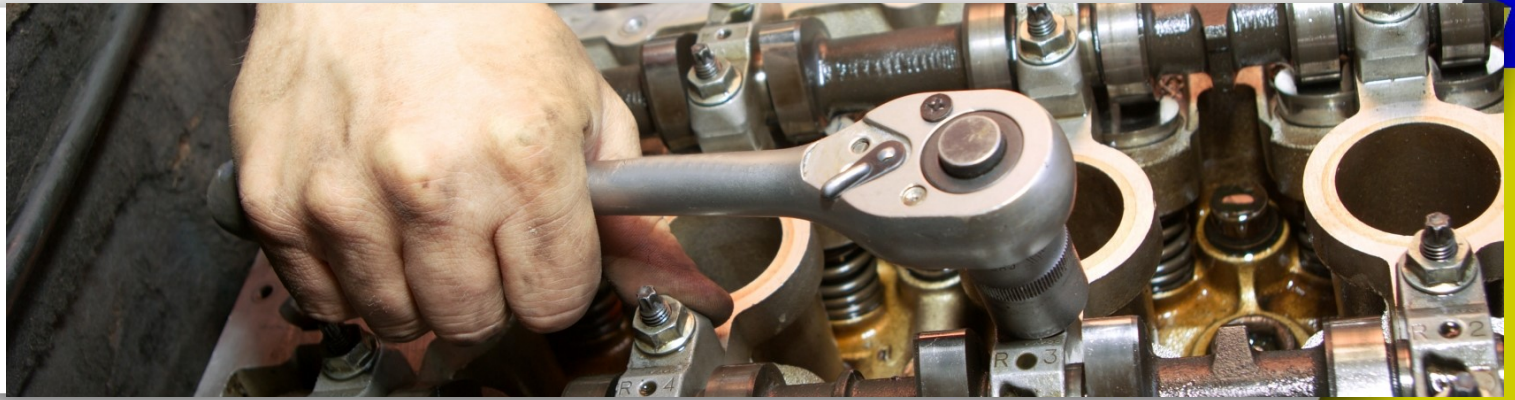
Progressive, Innovative & Interactive Training



QQI AWARD

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## Agricultural Mechanics 5N1745

**Programme Aim:** This programme has been designed to enable participants to develop the knowledge and skills necessary to understand mechanical principles applied to engines, machines, hand and power tools including focus, torque, pressure, power, horsepower, gears and belt speed and to be able to make comparison between diesel and petrol engines. On completion participants will be able to describe the component system associated with a tractor engine being able to assess a range of fuel, oil and grease lubrication and use hand and power tools for nuts and bolts. Carrying out a range of basic electrical maintenance and performing 50 hour and 500 hour services.

### Participants of this programme will:

- Use hand and power tools for nuts and bolts, measuring and marking, cutting and punching, drilling, grinding and welding
- Carry out basic electrical maintenance tasks including batteries, carbon brushes, fuses, bulbs, 13 amp plugs and 7 pin trailer plugs
- Perform routine 50 hour and 500 hour tractor services in accordance with manufactures recommendations
- Understand the difference between a diesel and petrol engine including fuel consumptions, power and torque / its advantages and disadvantages
- Carry out tractor and workshop tasks effectively and in accordance with safety requirements

### Programme Content

- Mechanical principles
- Diesel and petrol engines
- Component systems of a tractor
- Fuels, Oils and grease lubrication
- Hand and power tools
- Electrical Maintenance
- 50 Hour and 500 Hour Services
- Health and Safety

### Specific Support Available

A range of accommodations and supports are possible according to specific needs. This programme comes with a very comprehensive manual as an excellent source of reference after the programme

<b>Programme level</b>	This programme leads to a Level 5 on the National Framework of Qualifications
<b>Progression and Credit Value</b>	This programme is worth 10 credits towards a major award in Horticulture Level 5, 5M2586. Learners can transfer to another programme. HCT must be notified on day one of the programme that you wish to transfer free of charge, after day one the fees for the new programme will apply.
<b>Duration</b>	This programme will run for 5 contact days depending on the project and will require participants to complete some work in their own time
<b>Who should attend this course</b>	People seeking skills in or looking to gain formal qualification in fixing and maintain agricultural machines
<b>Required fluency in generic skills</b>	Learners entering a programme leading towards an award at Level 5 will usually be proficient at reading, drafting, preparing and understanding information across a broad range of topics, including quantitative information. Learners may solve predictable problems well, independently and as part of a group. Learners participate well in a chosen area of expertise, using a range of tools and procedures, responsibly and autonomously
<b>QQI Assessment</b>	Participants who wish to achieve a QQI Component Certificate must complete 60% Skills Demonstration and 40% Examination
<b>Resources Required in Order to Successfully Complete the Module</b>	Some personal learning / study time will be required from participants. Programme packs, Assessment Briefs and some equipment will be provided as a part of the programme
<b>Specific Entry/Access &amp; Exemptions required</b>	A learner seeking entry to a programme leading to awards at level 5 does not need a previous formal qualification. HCT would highly recommend that that learners have achieved some certification at Level 4 or have relevant work/ life experience. Recognition of Prior Learning may be considered to gain access without having certification entry requirements, to gain exception within a programme, attain an award based on experience which they don't hold formal qualification in, contact our office for more information

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