

.Qualification Title: Level 2 NVQ Diploma in Construction Plant or Machinery Maintenance (Construction) v5

Value for TQT : 1920

**CITB unit ref for internal use only*

Mandatory units

*CITB unit ref	Title	Level
641	Conforming to general health, safety and welfare in the workplace	1
642	Conforming to productive working practices in the workplace	2
643	Moving, handling and storing resources in the workplace	2
659	Operating plant or machinery for non-operational activities in the workplace	2
660	Servicing plant or machinery in the workplace	2
661	Removing and replacing plant or machinery components to restore operational use in the workplace	2
662	Dismantling and assembling plant or machinery components to replace worn, damaged or faulty parts in the workplace	2
663v2	Inspecting plant or machinery for operational serviceability in the workplace	2
664	Diagnosing faults in plant or machinery systems or components in the workplace	3

Optional units

TWO Units

*CITB unit ref	Title	Level
665	Installing, repairing or modifying construction resources by heating, welding, brazing, soldering and thermal cutting in the workplace	2
666	Producing one-off components to restore or maintain the operational functions of plant or machinery in the workplace	2
667	Installing plant or machinery for operational activities in the workplace	3
668v3	Carrying out specific tests on plant or machinery to determine operational serviceability in the workplace	3
669	Configuring plant or machinery for specific operational activities in the workplace	2
672	Handing over plant or machinery to the control of others in the workplace	3

Unit endorsements for Level 2 NVQ Diploma in Construction Plant or Machinery Maintenance (Construction)

*CITB unit ref	Endorsement
659	Two of the following endorsements required: Hand-operated power tools Static machinery Pedestrian controlled power equipment Tracked plant Wheeled plant Rollers
660	Five of the following endorsements required: Fluids, fuels, lubricants, coolants Service items Lubrication Flushing through Cleaning parts and components Fastenings secured
661	Seven of the following endorsements required: Housing Transmission Steering Track or running gear Hydraulic Pump Brakes Electrical Electronic Ancillaries
662	Four of the following endorsements required: Power unit Transmission Steering Hydraulic Pump Brake Electrical Electronic Ancillaries (blade, boom, cab, drives)
664	Four of the following endorsements required:: Power unit Transmission Steering Hydraulic Pump Brake Pneumatic Electrical Electronic Operating ancillaries and attachments

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*CITB unit ref	Endorsement
665	<p>Heating: Two of the following endorsements required: Components freed Heat treatment Corrosion reduction/removal Adjustment Expansion and contraction fit</p> <p>Welding: Two of the following endorsements required: Oxygen and fuel gas Manual metal arc MIG or MAG Tungsten inert gas</p> <p>Soldering: One of the following endorsements required: Oxygen and fuel gas Iron and flux Electric soldering iron</p> <p>Joints: Two of the following endorsements required: Butt Lap Fillet Corner</p> <p>Positions: Two of the following endorsements required: Flat Vertical/horizontal Vertical Overhead</p> <p>Thermal cutting: One of the following endorsements required: Oxy fuel gas Plasma</p>
667	<p>One of the following endorsements required: Mobile or ringer crane Tower cane Hoist Rig (piling/drilling/demolition) Excavation/vacuum plant machinery Batching/mixing/blending plant Crushing/screening plant Power generation equipment Pump Climate management machines Concrete placing boom</p>
668	<p>Four of the following endorsements required: Electric systems Cooling systems Lubrication systems Emission control Hydraulic systems Hydrostatic drive Transmission systems Pneumatic systems Braking systems Vibration management Steering/suspension systems Generator output control Electronic management Powered access equipment Material handling equipment Water pumps Craneage Lifting equipment Load testing (cranes, hoists, MEWPs, MHE)</p>

669	Two of the following endorsements required: Attachments Ancillaries Fire prevention Structural support Safety measures Contaminant reduction Carriage of ancillaries/additional equipment Rail and trackside Cutting equipment Additions (e.g. publicity boards, notices, lights) Machine control Productivity measurement
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Note: Where industry requests an Awarding Organisation to further endorse a unit, the Awarding Organisation must first seek approval from CITB (standards.qualifications@citb.co.uk) to ensure the endorsement is appropriate to the unit.