



Australian Government

RIIDES301D Inspect, test and maintain diesel engine systems and their ancillary systems

Release: 2

RIIDES301D Inspect, test and maintain diesel engine systems and their ancillary systems

Modification History

Release	Comment
1	This unit replaces RIIDES301 Inspect, test and maintain diesel engine systems and their ancillary systems
2	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including: references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.

Application

This unit describes a participant's skills and knowledge required to inspect, test and maintain diesel engine systems and their ancillary systems in Coal mining.

This unit is appropriate for those working in operational roles.

Licensing, legislative, regulatory and certification requirements that apply to this unit can vary between states, territories, and Industry sectors. Relevant information must be sourced prior to application of this unit.

Unit Sector

Coal mining

Elements and Performance Criteria

1. Plan for inspection, testing and maintenance of diesel engine systems and their ancillary systems	1.1 Access, interpret, inspect, test and maintain diesel engine systems and their ancillary systems, apply documentation and ensure the work activity is compliant 1.2 Obtain, interpret, clarify, confirm and apply verbal and written work instructions 1.3 Conduct a toolbox talk with others at the site prior to commencing and during work activities 1.4 Identify, address and report potential hazards, risks and environmental issues and implement control measures 1.5 Obtain and interpret emergency procedures, and be prepared
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	for an emergency
2. Prepare for inspection, testing and maintenance of diesel engine systems and their ancillary systems	2.1 Coordinate activities with others prior to commencement of, during, and on completion of the work activity 2.2 Identify and obtain items and tools required for the safe, effective and efficient completion of the tasks 2.3 Select and wear personal protection equipment appropriate for work activities 2.4 Access, interpret and apply equipment pre-start procedures 2.5 Access and apply isolation and lock-out of all equipment
3. Carry out inspection of diesel engines and their ancillary systems	3.1 Inspect diesel engine systems and their ancillary systems 3.2 Report outcomes of inspection to appropriate person
4. Carry out testing of diesel engines and their ancillary systems	4.1 Access and operate testing equipment 4.2 Carry out safe, effective and efficient testing and fault finding of diesel engine and ancillary systems 4.3 Diagnose and record existing or identified faults and recommend corrective actions
5. Carry out routine maintenance of diesel engines and their ancillary systems	5.1 Identify, access and use maintenance tools and equipment 5.2 Identify, interpret and undertake corrective actions 5.3 Carry out routine maintenance of diesel engine systems and ancillary systems
6. Carry out the overhaul of diesel engines and their ancillary systems	6.1 Identify, access and use overhaul tools and equipment 6.2 Carry out overhaul of diesel engine and ancillary systems
7. Conduct housekeeping activities	7.1 Clean, check, maintain and store plant, tools and equipment 7.2 Report issues identified with plant, tools and equipment

Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit. Further information is available in the Resources and Infrastructure Industry Training Package Companion Volume.

Unit Mapping Information

RIIDES301 Inspect, test and maintain diesel engine systems and their ancillary systems

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=88a61002-9a21-4386-aaf8-69c76e675272>