



Australian Government

RIIDES304D Inspect, test and maintain inlet systems on diesel engine systems

Release: 2

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Modification History

Release	Comment
1	This unit replaces RIIDES304 Inspect, test and maintain inlet systems on diesel engine 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 inlet systems on diesel engine 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.

Elements and Performance Criteria

1. Plan for inspection, testing and maintenance of inlet systems on diesel engine systems	1.1 Access, interpret, inspect, test and maintain inlet systems on diesel engine systems 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 for an emergency
2. Prepare for inspection, testing and maintenance of inlet	2.1 Coordinate activities with others prior to commencement of, during, and on completion of the work activity

systems on diesel engine systems	2.2 Identify and obtain items and tools required for the safe, effective and efficient conduct of the tasks. 2.3 Select and wear personal protection equipment appropriate for work activities 2.4 Access and apply isolation and lock-out of all equipment
3. Carry out inspection, testing and maintenance of inlet systems on diesel engine systems	3.1 Carry out inspection of inlet systems on diesel engine systems 3.2 Carry out the inspection of inlet system flame traps for explosion protection 3.3 Carry out the inspection of inlet system joints for explosion and fire protection 3.4 Identify and record existing or potential faults, including blockages and constrictions and recommend corrective actions
4. Carry out testing of inlet systems on diesel engine systems	4.1 Access and operate testing equipment 4.2 Carry out testing and fault finding of inlet systems on diesel engine systems 4.3 Carry out testing and fault finding of inlet system flame traps and joints to ensure explosion protection 4.4 Carry out testing of the operation of any forced induction systems to confirm their correct operation 4.5 Identify and record existing or potential faults, including blockages and constrictions and recommend corrective actions
5. Carry out routine maintenance of inlet systems on diesel engine systems	5.1 Access and use maintenance tools and equipment 5.2 Identify, interpret and apply corrective actions 5.3 Carry out routine maintenance of inlet systems on diesel engine systems 5.4 Carry out routine maintenance of inlet system flame traps and joints to ensure explosion protection
6. Carry out the overhaul of inlet systems on diesel engine systems	6.1 Access and use overhaul tools and equipment 6.2 Carry out overhaul of inlet systems on diesel engine 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

RIIDES304 Inspect, test and maintain inlet systems on diesel engine systems

Links

Companion Volume implementation guides are found in VETNet -

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