



Australian Government

RIIDES307D Test, determine the cause and rectify excessive emission levels on diesel engine systems

Release: 2

RIIDES307D Test, determine the cause and rectify excessive emission levels on diesel engine systems

Modification History

Release	Comment
1	This unit replaces RIIDES307 Test, determine the cause and rectify excessive emission levels 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 test, determine the cause and rectify excessive emission levels 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.

Unit Sector

Coal mining

Elements and Performance Criteria

1. Plan for testing and determine the cause and rectify excessive emission levels on diesel engine systems	1.1 Access, interpret, test and determine the cause and rectify excessive emission levels on diesel engine systems documentation and ensure the work activity is compliant 1.2 Obtain, interpret clarify and confirm work requirements before proceeding 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 1.5 Obtain and interpret emergency procedures, and be prepared
--	---

	for fire/accident/emergency
2. Prepare for testing and determine the cause and rectify excessive emission levels on diesel engine systems	2.1 Coordinate activities with others prior to commencement of, and during, the work activity 2.2 Identify and obtain items and tools required for the safe, effective and efficient conduct of the tasks. 2.3 Identify and arrange support required for the safe, effective and efficient completion of the tasks 2.4 Select and wear personal protection equipment appropriate for work activities 2.5 Carry out required equipment pre-start and inspection procedures 2.6 Carry out isolation and lock-out of all equipment necessary for the safe execution of tasks 2.7 Recognise and respond to hazardous and emergency situations
3. Carry out testing of emission levels and determine the cause of excessive emission levels on diesel engine systems	3.1 Select and operate testing equipment and methods 3.2 Carry out testing on diesel engine systems 3.3 Test and report on the performance of diesel oxidation catalyst system 3.4 Determine the cause of any excessive emission levels 3.5 Report outcomes of testing to appropriate person
4. Rectify excessive emission levels on diesel engine systems	4.1 Select and use maintenance items, tools and equipment 4.2 Carry out maintenance to rectify excessive emission levels on diesel engine systems
5. Conduct housekeeping activities	5.1 Tidy up the work area 5.2 Dispose of used oil, lubricant and other waste 5.3 Return and secure all tools and re-usable items 5.4 Complete and maintain inspection, testing and maintenance records

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

RIIDES307 Test, determine the cause and rectify excessive emission levels 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>