

SELF ASSESSMENT GUIDE

QUALIFICATION:	Diesel Power Plant Maintenance NC III	
Certificate of Competency 1:	PERFORMING OVERHAULING OF DIESEL ENGINE	
Units of Competency Covered:	OVERHAUL DIESEL ENGINE	
Instruction <ul style="list-style-type: none"> • Read each of the questions in the left-hand column of the chart. • Place a check on each question to indicate your answer. 		
Can I?	YES	NO
<ul style="list-style-type: none"> • Disassemble engine block and sub-assemblies without causing damage to any component or system in accordance with manufacturer's manual. * 		
<ul style="list-style-type: none"> • Ensure components or system to be free from dirt, grease, rust and other foreign materials in preparation for the inspection and testing.* 		
<ul style="list-style-type: none"> • Mark and arrange disassembled components according to prescribed arrangements. 		
<ul style="list-style-type: none"> • Carry out all disassembling and cleaning activities according to industry regulations or guidelines and occupational health and safety procedures * 		
<ul style="list-style-type: none"> • Test and measure components and systems using prescribed method and without causing damage to any component or system 		
<ul style="list-style-type: none"> • Service and calibrate fuel injector in accordance with the manufacturer's instruction manual 		
<ul style="list-style-type: none"> • Assess result of testing and measurement using manufacturer specifications * 		
<ul style="list-style-type: none"> • Identify and report repair or replacement requirements according to enterprise policy and procedure 		
<ul style="list-style-type: none"> • Complete and dealt with pre-repair inspection report with relevant to the assessment outcome 		
<ul style="list-style-type: none"> • Carry out required component repair or replacements in accordance with manufacturer's recommendations 		
<ul style="list-style-type: none"> • Check component measurements in accordance with manufacturer's specification 		
<ul style="list-style-type: none"> • Rectify faults in measurements in accordance with manufacture's specification 		

<ul style="list-style-type: none"> Assemble engine block and sub assemblies following manufacturers manual and without damage to the components or workplace property. * 		
<ul style="list-style-type: none"> Perform pre-testing activities following system normal operating procedure 		
<ul style="list-style-type: none"> Check engines performance for normal operation using different testing methods in accordance with manufacturer's manual and without causing damage to the workplace property * 		
<ul style="list-style-type: none"> Remedy faults in engine operation following manufacturer's manual. 		
<ul style="list-style-type: none"> Prepare overhaul report according enterprise policy. * 		
<p>I agree to undertake assessment in the knowledge that information gathered will only be used for professional development purposes and can only be accessed by concerned assessment personnel and my manager/supervisor.</p>		
<p>Candidate's Name:</p>	<p>Date:</p>	

NOTE: *Critical aspects of competency

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QUALIFICATION:	Diesel Power Plant Maintenance NC III	
Certificate of Competency 2:	SERVICING ALTERNATOR/GENERATOR	
Units of Competency Covered:	Service Alternator/Generator	
Instruction <ul style="list-style-type: none"> • Read each of the questions in the left-hand column of the chart. • Place a check on each question to indicate your answer. 		
Can I?	YES	NO
• Lock open and tagged-out main circuit breaker as per enterprise policy		
• Disconnect and properly mark terminals without damaging other components		
• Disassemble alternator without damaging other components *		
• Take baseline data using prescribed methods		
• Clean components in preparation for the inspection & testing		
• Carry out all disassembling and cleaning activities according to manufacturers recommendations and occupational health and safety procedures		
• Prepare service report in accordance with enterprise policy		
• Test and assess components using prescribed methods and without causing damage to any component *		
• Identify and report repair / replacement requirements according to enterprise policy and procedure		
• Carry out required component repair or replacements in accordance with manufacturer's recommendations and specification *		
• Record repaired or replaced component's data in accordance with enterprise policy		
• Assemble alternator following manufacturers manual and without damage to the components or workplace property *		

• Couple alternator to the engine according to manufacturer's instruction		
• Perform alignment of the alternator to the diesel engine following manufacturer's instruction		
• Carry out testing methods in accordance with manufacturer's manual and without causing damage to components or workplace property *		
• Remedy faults in alternator operation following manufacturer's manual		
• Finalize service report according to enterprise policy *		
I agree to undertake assessment in the knowledge that information gathered will only be used for professional development purposes and can only be accessed by concerned assessment personnel and my manager/supervisor.		
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QUALIFICATION:	Diesel Power Plant Maintenance NC III	
Certificate of Competency 3:	DIAGNOSE AND REPAIR DIESEL ENGINE	
Units of Competency Covered:	Diagnose and Repair Diesel Engine	
Instruction <ul style="list-style-type: none"> • Read each of the questions in the left-hand column of the chart. • Place a check on each question to indicate your answer. 		
Can I?	YES	NO
• Identify work requirements from relevant personnel and documentations.		
• Carry out service prerequisite in accordance with enterprise policy.		
• Prepare and identify required resources base on enterprise policy and on-site validation report *		
• Implement 5S and safety practices in accordance with the enterprise policy.		
• Identify engine defects or defective components through systematic and logical method of isolation and testing without causing damage to the engine and other workplace property *		
• Perform root cause analysis using data gather and without causing damage to engine and other workplace property *		
• Carry out repair or replacement of defective components in accordance with the results of troubleshooting and root cause analysis and manufactures instruction *		
• Perform pre-testing activity following system normal operating procedures *		
• Carry out testing methods in accordance with manufactures manual and without causing damage to components or workplace property.		
• Correct faults in engine operation following manufacturer's manual *		
• Prepareys service report according to enterprise policy*		
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Candidate's Name:	Date:	

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QUALIFICATION:	Diesel Power Plant Maintenance NC III	
Certificate of Competency 4:	DIAGNOSING AND REPAIRING DPP ELECTRICAL SYSTEMS	
Units of Competency Covered:	Diagnose and Repair Electrical System	
<p>Instruction</p> <ul style="list-style-type: none"> • Read each of the questions in the left-hand column of the chart. • Place a check on each question to indicate your answer. 		
Can I?	YES	NO
<ul style="list-style-type: none"> • Identify work requirements from relevant personnel and documentation. 		
<ul style="list-style-type: none"> • Carry out service prerequisites in accordance with enterprise policy. 		
<ul style="list-style-type: none"> • Identify and prepares required resources based on enterprise policy and on-site validation report. 		
<ul style="list-style-type: none"> • Implement 5s and safety practices in accordance with the enterprise policy 		
<ul style="list-style-type: none"> • *Identify electrical system defects or defective components through systematic and logical method of isolation and testing without causing damage to the electrical system and other workplace property. 		
<ul style="list-style-type: none"> • *Perform root cause analysis using data gathered and without causing damage to electrical components and other workplace property. 		
<ul style="list-style-type: none"> • *Carry out repair or replacement of defective components in accordance with the result of troubleshooting and root cause analysis and manufacturers instruction. 		
<ul style="list-style-type: none"> • Identify and reports repair requiring outside services in accordance with enterprise policy. 		
<ul style="list-style-type: none"> • Perform pre-testing activities following system normal operating procedure. 		
<ul style="list-style-type: none"> • *Carry out testing methods in accordance with manufacturer's manual and without causing damage to components or workplace property. 		

<ul style="list-style-type: none"> • Correct faults in electrical system operation following manufacturer's manual. 		
<ul style="list-style-type: none"> • Prepare service report according enterprise policy 		
<p>I agree to undertake assessment in the knowledge that information gathered will only be used for professional development purposes and can only be accessed by concerned assessment personnel and my manager/supervisor.</p>		
<p>Candidate's Name:</p>	<p>Date:</p>	

NOTE: *Critical aspects of competency