

Reference No.																			
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SELF-ASSESSMENT GUIDE

Qualification	AGRICULTURAL MACHINERY SERVICING (4-WHEEL TRACTOR) NC III		
Units of Competency Covered	<ul style="list-style-type: none"> • Diagnose and Repair Electrical System of 4-Wheel Tractor • Diagnose and Repair Engine System of 4-Wheel Tractor • Diagnose and Repair Axle System of 4-Wheel Tractor • Diagnose and Repair Hydraulic System of 4-Wheel Tractor • Diagnose and Repair Transmission System of 4-Wheel Tractor 		
Instruction:			
<ul style="list-style-type: none"> • Read each question and check the appropriate column to indicate your answer. 			
Can I?	YES	NO	
<ul style="list-style-type: none"> • Diagnose the problem and determine the extent of damage of machine components/systems (electrical, engine, axle, hydraulic and transmission), based on customer’s complaint and workplace procedures * 			
<ul style="list-style-type: none"> • Prepare report on extent of services to be rendered * 			
<ul style="list-style-type: none"> • Compute costs of parts, supplies, materials needed and services to be rendered * 			
<ul style="list-style-type: none"> • Repair identified malfunctions and/or replace of any components, if necessary * 			
<ul style="list-style-type: none"> • Verify working condition of repaired malfunction of any components following operation manual, make adjustments if necessary * 			
<ul style="list-style-type: none"> • Demonstrate proper maintenance procedures for any components 			
<ul style="list-style-type: none"> • Clean and check serviceability of tools and equipment 			
<ul style="list-style-type: none"> • Identify and list functioning and defective tools and equipment 			
<ul style="list-style-type: none"> • Demonstrate proper storing and labeling of tools and equipment 			
<ul style="list-style-type: none"> • Practice safety measures while performing tasks * 			
<ul style="list-style-type: none"> • Practice proper waste management according to industry and environmental regulations * 			
I agree to undertake assessment with 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.			
Candidate’s Name and Signature		Date	

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SELF-ASSESSMENT GUIDE

Qualification	AGRICULTURAL MACHINERY SERVICING (4-WHEEL TRACTOR) NC III		
Certificate of Competency (COC 1)	Diagnose and Repair Electrical System of 4-Wheel Tractor		
Instruction:			
<ul style="list-style-type: none"> Read each question and check the appropriate column to indicate your answer. 			
Can I?	YES	NO	
<ul style="list-style-type: none"> Diagnose the problems on battery, alternator, electrical circuit and starting systems * 			
<ul style="list-style-type: none"> Compute costs of parts, supplies, materials needed and services to be rendered * 			
<ul style="list-style-type: none"> Repair identified malfunctions and/or replacement of electrical circuit parts and starting system components, if necessary * 			
<ul style="list-style-type: none"> Perform testing and replacement of alternator following standard procedure * 			
<ul style="list-style-type: none"> Recommend repair of alternator 			
<ul style="list-style-type: none"> Perform servicing of batteries following standard procedure * 			
<ul style="list-style-type: none"> Test working condition of repairs done following operation manual, make adjustments if necessary * 			
<ul style="list-style-type: none"> Fill-up service forms/documents 			
<ul style="list-style-type: none"> Clean work area, check and practice proper labeling of tools and equipment * 			
<ul style="list-style-type: none"> Practice safety measures while performing tasks according to Occupational Safety and Health Standards (OSHS) and relevant laws * 			
<ul style="list-style-type: none"> Practice proper waste management according to environmental regulations/laws * 			
I agree to undertake assessment with 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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SELF-ASSESSMENT GUIDE

Qualification	AGRICULTURAL MACHINERY SERVICING (4-WHEEL TRACTOR) NC III		
Certificate of Competency (COC 2)	Diagnose and Repair Engine System of 4-Wheel Tractor		
Instruction:			
<ul style="list-style-type: none"> Read each question and check the appropriate column to indicate your answer. 			
Can I?	YES	NO	
<ul style="list-style-type: none"> Identify proper handling of fuel, oil and lubricant according to Safety Data Sheet and Globally Harmonized Standards * 			
<ul style="list-style-type: none"> Identify servicing requirement of coolant according to Safety Data Sheet and Globally Harmonized Standards * 			
<ul style="list-style-type: none"> Compute costs of parts, supplies, materials needed and services to be rendered * 			
<ul style="list-style-type: none"> Diagnose the problems on fuel system, service cooling system and lubrication system * 			
<ul style="list-style-type: none"> Repair engine fuel system following manufacturer's specification * 			
<ul style="list-style-type: none"> Supervise the removal and replacement of injection pump unit and fuel filters and strainers based on manufacturer's specification 			
<ul style="list-style-type: none"> Perform servicing of cooling system following repair service manual * 			
<ul style="list-style-type: none"> Supervise replacement and/or air filter, oil and coolant following manufacturer's manual * 			
<ul style="list-style-type: none"> Discuss servicing of body and power train system engines * 			
<ul style="list-style-type: none"> Diagnose body and power train system components and make necessary adjustments * 			
<ul style="list-style-type: none"> Perform servicing of engine lubrication system following manufacturer's manual * 			
<ul style="list-style-type: none"> Test working condition of repairs done following operation manual, make adjustments if necessary * 			
<ul style="list-style-type: none"> Fill-up service forms/documents 			
<ul style="list-style-type: none"> Clean work area, check and practice proper labeling of tools and equipment * 			
<ul style="list-style-type: none"> Practice safety measures while performing tasks according to Occupational Safety and Health Standards (OSHS) and relevant laws * 			
<ul style="list-style-type: none"> Practice proper waste management of toxic substances according to environmental regulations/laws * 			
I agree to undertake assessment with 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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SELF-ASSESSMENT GUIDE

Qualification	AGRICULTURAL MACHINERY SERVICING (4-WHEEL TRACTOR) NC III		
Certificate of Competency (COC 3)	Diagnose and Repair Axle, Hydraulic and Transmission Systems of 4-wheel Tractor		
Units of Competencies	<ul style="list-style-type: none"> • Diagnose and Repair Axle System of 4-Wheel Tractor • Diagnose and Repair Hydraulic System of 4-Wheel Tractor • Diagnose and Repair Transmission System of 4-Wheel Tractor 		
Instruction:			
<ul style="list-style-type: none"> • Read each question and check the appropriate column to indicate your answer. 			
Can I?	YES	NO	
PERFORM PREPARATORY ACTIVITIES			
<ul style="list-style-type: none"> • Identify proper handling of oil, lubricant and brake fluid according to Safety Data Sheet and Globally Harmonized Standards * 			
<ul style="list-style-type: none"> • Computed costs of parts, supplies, materials needed and services to be rendered * 			
DIAGNOSE AND REPAIR AXLE SYSTEM OF 4-WHEEL TRACTOR			
<ul style="list-style-type: none"> • Diagnose the problems of axle, brake and steering systems and components following manufacturer's specifications * 			
<ul style="list-style-type: none"> • Perform servicing of front and rear axles following manufacturer's specifications * 			
<ul style="list-style-type: none"> • Perform servicing of brake system following manufacturer's manual * 			
<ul style="list-style-type: none"> • Perform servicing of steering system engines following manufacturer's manual * 			
<ul style="list-style-type: none"> • Perform servicing of differential system following manufacturer's manual * 			
<ul style="list-style-type: none"> • Test working condition of repairs done following manufacturer's manual, make adjustments if necessary * 			
<ul style="list-style-type: none"> • Practice safety measures while repairing of axle system according to Occupational Safety and Health Standards (OSHS) and relevant laws * 			
DIAGNOSE AND REPAIR HYDRAULIC SYSTEM OF 4-WHEEL TRACTOR			
<ul style="list-style-type: none"> • Diagnose the problems of hydraulic pump, hydraulic distributor, hydraulic lift arms and hydraulic pressure lines blocks and reservoir following manufacturer's specifications * 			
<ul style="list-style-type: none"> • Perform servicing of hydraulic pump following manufacturer's specification * 			
<ul style="list-style-type: none"> • Perform servicing of hydraulic distributor following manufacturer's manual * 			

<ul style="list-style-type: none"> • Perform servicing of hydraulic lift arms engines following manufacturer's manual * 		
<ul style="list-style-type: none"> • Perform servicing of hydraulic pressure lines blocks and reservoir following manufacturer's manual * 		
<ul style="list-style-type: none"> • Test working condition of repairs done following manufacturer's manual, make adjustments if necessary * 		
<ul style="list-style-type: none"> • Practice safety measures while repairing of hydraulic system according to Occupational Safety and Health Standards (OSHS) and relevant laws* 		
DIAGNOSE AND REPAIR TRANSMISSION SYSTEM OF 4-WHEEL TRACTOR		
<ul style="list-style-type: none"> • Diagnose the problems of clutch and drive train systems following manufacturer's specifications * 		
<ul style="list-style-type: none"> • Test working condition of repairs done following manufacturer's manual, make adjustments if necessary * 		
<ul style="list-style-type: none"> • Practice safety measures while repairing transmission system according to Occupational Safety and Health Standards (OSHS) and relevant laws* 		
PERFORM POST-ACTIVITIES		
<ul style="list-style-type: none"> • Fill-up service forms/documents 		
<ul style="list-style-type: none"> • Clean work area, check and practice proper labeling of tools and equipment * 		
<ul style="list-style-type: none"> • Practice proper waste management of toxic substances according to environmental regulations/laws * 		
<p>I agree to undertake assessment with 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>		
Candidate's Name and Signature		Date