

071604T4AME

AGRICULTURAL MACHINERY AND EQUIPMENT LEVEL 4

ENG/OS/AME/CR/03/4/A

Apply Digital Skills in Agricultural Systems

March/April 2025



**TVET CURRICULUM DEVELOPMENT, ASSESSMENT AND CERTIFICATION
COUNCIL (TVET CDACC)**

PRACTICAL ASSESSMENT

INSTRUCTIONS TO ASSESSOR

1. Assess the candidate as the practical progresses observing the critical areas
2. You are required to mark the practical as the candidate perform the tasks
3. You are required to take video clips at critical points
4. Ensure the candidate has a name tag and registration code at the back and front

OBSERVATION CHECKLIST

Candidate's Name & Registration Code			
Assessors Name & Registration Code			
Venue of Assessment			
Date of Assessment			
Items to be Evaluated: <i>Please award marks as appropriate. Give a brief comment on your observation.</i>	Marks Available	Marks Obtained	Comments
TASK: REMOVE, REPLACE AND TEST THE FUEL SENDER UNIT			
1. Wore PPEs: - Overall/ dustcoat - Safety boots <i>(Award 1 mark each or zero)</i>	1 1		
2. Assembled tools and materials <i>(Award 2 marks)</i>	1		
3. Removed the fuel sender unit - Disconnected the tractor negative terminal of the battery. - Released the fuel tank pressure. - Disconnected the fuel lines and electrical connection from the fuel sending unit - Cleaned the area around the plug - Removed retaining ring - Untightened and removed the screws of the clamp holding the fuel sender unit - Carefully pulled off the old fuel sender unit.	2 2 2 2 2 2 2		

• Compared the old fuel sending unit with the new sender unit to make sure it is compatible. <i>(Award 2 mark each or zero)</i>	2		
4. Identified the parts. • Identified the clamp • Identified float • Identified the arm • Identified the variable resistor • Identified the negative cable • Identified the positive cable <i>(Award 1 mark for each correct response or zero)</i>	1 1 1 1 1 1		
5. Replaced the sender fuel unit • Fitted the new fuel sending unit back to the fuel tank • Reinstalled the retaining ring • Tightened the screws • Reconnected all electrical connectors • Reconnected the fuel lines. <i>(Award 2 mark each or zero)</i>	2 2 2 2 2		
6. Tested the fuel sender unit • Connected the black test lead of the multimeter to the ground terminal. • Connected the red test lead of the multimeter to the positive terminal. • Checked the multimeter for resistance reading. • Analyzed the results in ohms according to the operator manual. <i>(Award 2 mark each or zero)</i>	2 2 2 2		

7. Cleaned the working area, tools and equipment (Award 1 mark or zero)	1		
GRAND TOTAL	40		
ASSESSMENT OUTCOME			
The candidate was found to be: Competent ☐ Not yet Competent ☐ (Please tick as appropriate) (The candidate is competent if the candidate obtains at least 50%)			
Feedback from the Candidate:			
Feedback to the Candidate:			
Candidate Signature		Date:	
_____		_____	
Assessor's Signature		Date	
_____		_____	