

071604T4AME

AGRICULTURAL MACHINERY AND EQUIPMENT LEVEL 4

ENG/OS/AME/CR/01/4/A

Operate and Maintain Farm Tractor

Nov/Dec 2024



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

PRACTI

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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
1. Wore PPEs: - Overall/ dustcoat - Safety boots (Award 1 mark each)	2		
2. Assembled tools and materials (Award 2 marks)	2		
Sub-Total 1	4		
TASK 1: Labeling the parts of tractor m , D, E, F, G, H, I, J, K, L			
3 Correctly labelled 10 external parts of the tractor marked A, B, C, D, E, F, G, H, I, J, K, L A- Radiator B- Wheels C- Ballast D- Levers E- Clutch F- Steering wheel G- P.T.O. H- Linkages I- Drawbar J- Ignition switch port K- Battery	6		

L- Seat (Award ½ mark each) NOTE: (i) The Assessor to label the parts of the tractor using stickers as shown above (ii) Candidates to write the responses on the full scarp			
Sub-Total 2	6		
TASK 2: General inspection and maintenance of tractor			
4 Carried out general inspection of the tractor • Inspected tractor for leaks and loos worn hoses or cables • Located and checked the radiator c level • Checked the level of fuel in the tank and topped up if necessary. • Checked the water level • Checked the tractor engine oil level • Checked tyre pressure • Checked and tightened loose nuts and bolts ((Award 2 marks each))	14		
Sub-Total3	14		
TASK 3: TASK 2: Starting the tractor engine			
5 Started the tractor engine using the correct procedure • Compressed the clutch pedal to disengage the clutch	4		

- Selected neutral gear - Inserted the ignition key - Turned and released the ignition key without overloading the starter (Award 1 mark each)			
Sub-Total 4	4		
TASK 4: Hitching a farm implement			
6 Hitched implement Y on the tractor using correct procedure - Reversed the tractor to align the lower linkages of the tractor and the implement - Attached left lower link attachment point of the implement to the tractor - Attached right lower link attachment point of the implement to the tractor - Attached top link attachment point of the implement to the tractor - Adjusted pitch using the top link - Lifted the implement using the tractor hydraulic system - Adjusted the sway chains/ stabilizers - Tested the implement for operation - Made necessary field adjustments (levelling,) (Award 2 marks each)	18		
Sub-Total 5	18		
TASK 5: Unhitching the implement from the tractor			
7 Unhitched implement Y from the tractor using correct procedure	10		

- Lowered the implement using tractor hydraulic system - Detached the right lower link attachment point of the implement from the tractor - Supported the implement with safety stands - Detached the left lower link attachment point of the implement from the tractor - Detached the top link attachment point of the implement from the tractor (Award 2 marks each)			
8 Drove the tractor to the parking sha (Award 1mark)	1		
9 Stopped the engine and securely parked the tractor (Award 2 marks)	2		
10 Cleaned self (Award 1 mark)	1		
Sub-Total 6	14		
GRAND TOTAL	60		
ASSESSMENT OUTCOME			
The candidate was found to be: Competent ☐ Not yet Competent ☐ <i>(Please tick as appropriate)</i> <i>(The candidate is competent if the candidate obtains at least 50%)</i>			

Feedback from the Candidate:	
Feedback to the Candidate:	
Candidate Signature _____	Date: _____
Assessor's Signature _____	Date _____