

071906T4AEN

Agricultural Engineering Level 6

ENG/OS/AGR/CR/10/6/A

Operate Agricultural Harvesting Machinery and Equipment

July /Aug 2023



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

PRACTICAL ASSESSMENT

INSTRUCTIONS TO THE ASSESSOR

1. You are required to mark the practical as the candidate performs the tasks.
2. You are required to take video clips at critical points.

Ensure the candidate has an identification tag pinned at the back and front near the shoulders showing Candidate's name and registration code

**This paper consists of (5) printed pages
Candidates should check the question paper to ascertain that all pages are printed as
indicated and that no questions are missing**

OBSERVATION CHECKLIST

Candidate's name & Registration No.			
Assessor's name & Reg. 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, safety boots) (Award 1 mark for each PPE worn maximum 2 marks or zero)	2		
2. Assembled all the tools and materials required (Award 1 mark or zero)	1		
3. Identified the implement marked Y <ul style="list-style-type: none"> Named the mower Stated the function of the mower (Award 1 mark for each correct response maximum 2 marks)	2		
4. Serviced the mower <ul style="list-style-type: none"> Tightened bolts and nuts Greased the bearings (Award 2 marks for each correct activity maximum 4 marks)	4		

<p>5. Hitched the implement to the tractor</p> <ul style="list-style-type: none"> • Ensured the implement is parked on a level ground • Ensured the tractor is in good working condition • Started and drove the tractor to where the mower is parked • Reversed the tractor and aligned the draft links to the lower link attachment points of the mower • Engaged the parking brake and turned off the engine • Hitched the left lower link of the tractor to the left attachment point of the mower • Hitched the right lower link of the tractor to the right attachment point of the mower • Attached the top link of the tractor to the top link attachment point • Safely connected the P.T.O. universal joint to the tractor P.T.O. and mower P.T.O. shafts • Started the tractor and lifted the mower. • Switched off the tractor • Adjusted pitch using the top link • Adjusted the stabilizer links <p>(Award 2 marks for each correct activity maximum 26 marks)</p>	<p>26</p>		
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6. Tested the mower for operation <ul style="list-style-type: none"> • <i>Started the tractor and drove it to the field</i> • <i>Aligned the tractor in the field to cut grass</i> • <i>Lowered the mower and drove the tractor to cut grass</i> • <i>Stopped the tractor and assessed the performance of the mower (communicated to the assessor)</i> (Award 2 marks for each correct activity maximum 8 marks)	8		
7. Started the tractor, lifted the mower, disengaged the P.T.O. and drove the tractor to the machinery shade (Award 1 mark or zero)	1		
8. Lowered the mower, switched off the tractor engine and engaged parking brakes (Award 1 mark or zero)	1		
9. Detached the mower and the P.T.O. universal joint from the tractor (Award 1 mark or zero)	1		
10. Cleaned the implement and applied oil (Award 1 mark for cleaning and 1 mark for applying oil maximum 2 marks)	2		
11. Adhered to safety (Award 1 mark or zero)	1		

12. Cleaned self (Award 1 mark or zero)	1		
Total	50		
ASSESSMENT OUTCOME			
<p>The candidate was found to be:</p> <p style="text-align: center;">Competent <input type="checkbox"/> Not yet competent <input type="checkbox"/></p> <p><i>(Please tick as appropriate)</i></p> <p><i>(The candidate is competent if s/he gets 50%.)</i></p>			
Feedback to candidate:			
Feedback from candidate:			
Candidate's Signature		Date	
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Assessor's Signature		Date	
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