

071906T4AEN

AGRICULTURAL ENGINEERING LEVEL 6

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

Operate Agricultural Harvesting Machinery and Equipment

Nov/Dec 2024



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

PRACTICAL ASSESSMENT

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 1:			
1. Wore PPEs <ul style="list-style-type: none"> • Overall • Safety boots • Gloves • Mask 	4		

(Award 1 mark each)			
<p>2. Assembled all the tools and materials required</p> <ul style="list-style-type: none"> • Tool box • Oil can • Grease gun • Water • Soap • Emery cloth <p>(Award ½ mark each)</p>	3		
<p>3. Identified the implement marked X</p> <ul style="list-style-type: none"> • Correctly identifies the specific name of the mower (gyro-mower) • Stated ONE function of the mower (slashing short grass/weeds) <p>(Award 1 mark each)</p>	2		
<p>4. Wrote on the stickers SIX parts and stuck them on the mower</p> <ul style="list-style-type: none"> • Gearbox housing • P.T.O. stub shaft • Blade housing • Blades • Rotor shaft • Flange disc <p>(Award ½ mark each)</p>	3		
<p>5. Serviced the mower for operation</p> <ul style="list-style-type: none"> • Cleaned the mower • Tightened bolts and nuts 	3		

<ul style="list-style-type: none"> • Greased the bearings (Award 1 mark each) 			
<p>6. Hitched the mower to the tractor</p> <ul style="list-style-type: none"> • Ensured the mower 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 • Safely connected the P.T.O. universal joint to the tractor P.T.O. and mower P.T.O. shafts • 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 and adjusted the mower for pitch • Started the tractor and lifted the mower. • Switched off the tractor 	24		

<ul style="list-style-type: none"> Adjusted the stabilizer links (Award 2 marks each) 			
<p>7. Tested the mower for operation</p> <ul style="list-style-type: none"> Started the tractor and drove it to the field Aligned the tractor in the field to cut grass Lowered the mower and drove the tractor to cut grass Stopped the tractor and assessed the performance of the mower Communicated to the assessor- (assessor to demand for the comment from the candidate on the quality of cut) (Award 2 marks each) 	10		
<p>8. Returned mower to the parking shed</p> <ul style="list-style-type: none"> Started the tractor Lifted the mower Disengaged the P.T.O. Drove the tractor to the machinery shed Lowered the mower Switched off the tractor engine Engaged parking brakes (Award 1 mark each) 	7		
<p>9. Detached the mower and the P.T.O. universal joint from the tractor</p> <ul style="list-style-type: none"> Disengaged the right lower link attachment 	5		

<ul style="list-style-type: none"> • Detached the universal joint • Detached the left lower link attachment • Detached the top link attachment • Drove the tractor to the parking shed <p><i>(Award 1 mark each)</i></p>			
<p>10. Cleaned the mower and applied oil</p> <ul style="list-style-type: none"> • Cleaned the mower • Applied oil <p><i>(Award 1 mark each)</i></p>	2		
<p>11. Adhered to safety</p> <p><i>(Award 1 mark)</i></p>	1		
<p>12. Cleaned self</p> <p><i>(Award 1 mark)</i></p>	1		
GRAND TOTAL	65		
ASSESSMENT OUTCOME			
<p>The candidate was found to be:</p> <p>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 the candidate obtains at least 50%)</i></p>			
Feedback from the Candidate:			
Feedback to the Candidate:			
Candidate Signature		Date:	
_____		_____	

Assessor's Signature _____	Date _____
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