

071604T4AME

AGRICULTURAL MACHINERY AND EQUIPMENT LEVEL 4

ENG/OS/AME/CR/04/4/A

Maintain Hydraulic Systems

Nov/Dec 2024



**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 1: Change the hydraulic filter of the tractor provided.			
1. Wore PPEs • Overall/dustcoat • Safety boots (Award 1 mark each)	2		
2. Assembled tools and materials (Award 1 Mark)	1		
3. Identified the location of the hydraulic filter. Note: the assessor to ask the candidate the location of the hydraulic oil filter (Award 1 Mark)	1		
4. Prepared the hydraulic system • Ensured the hydraulic system is depressurized by removing the pressure hose and pressing the valves. • Ensured the hydraulic fluid is cool to prevent injury. (Award 2 Mark each)	4		
5. Removed the old hydraulic filter • Used the filter wrench correctly • Allowed any remaining fluid in the filter housing to drain into the container. (Award 2 Mark each)	4		
6. Inspected the filter housing • Checked housing for damage • Checked housing for corrosion • Thoroughly cleaned the filter housing	6		

(Award 2 Mark each)			
7. Installed the new hydraulic filter - Lubricated the gasket or sealing surface with clean hydraulic fluid. - Thread the new filter onto the filter housing by hand. - Tightened the new filter securely. (Award 2 Marks each)	6		
8. Primed the hydraulic system - Filled the hydraulic reservoir with clean hydraulic oil. - Operated the tractor hydraulic controls to remove any air from the system. (Award 2 Marks, each)	4		
9. Tested the hydraulic system - Monitored the system performance - Checked the hydraulic fluid level - Checked the pressure readings - Checked for leakage - Checked for any abnormal behavior. (Award 2 Marks each)	10		
10. Disposed of the old filter (Award 1 Mark)	1		
11. Disposed of the old oil Note: the assessor to ask the candidate to give the way to dispose used oil (Award 1 Mark)	1		
GRAND TOTAL	40		
ASSESSMENT OUTCOME			
The candidate was found to be: Competent <input style="width: 50px; height: 30px; border: 1px solid black;" type="checkbox"/> Not yet Competent <input style="width: 50px; height: 30px; border: 1px solid black;" type="checkbox"/> (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 _____

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