

071604T4AME

AGRICULTURAL MACHINERY AND EQUIPMENT LEVEL 4

ENG/OS/AME/CR/05/4/A

Maintain Agricultural Pneumatic Systems

Nov/Dec 2024



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

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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
Change the Oil of the Compressor Provided			
1. Wore PPEs • Overall/dustcoat • Safety boots (Award 1 mark each)	2		
2. Assembled tools and materials (Award 1 mark)	1		
3. Prepared the compressor for oil change • Checked the level and condition of the oil • Plugged the compressor cable to the source of power. • Identified the power button of the compressor. • Switched on the compressor • Ran the compressor for at least 3 minutes to warm the oil. (Award 2marks each)	10		
4. Drained the oil. • Switched off the compressor • Placed the drain pan under the drain plug • Slackened the drain plug • Removed the drain plug • Directed the old oil into the pan (Award 2 marks each)	10		

5. Examined the condition of the old oil for contaminants and reported to the assessor - Observed the colour of the oil (Milky colour indicating presence of moisture) - Checked presence of metal particles by feeling the texture(metal particles indicate potential problems that require fixing) NOTE <i>The assessor to ask the candidate to report on the condition of the oil orally</i> (Award 2 marks each)	4		
6. Checked the condition of the drain plug O-ring and replaced it if deformed. (Award 2 marks)	2		
7. Wiped the drain plug and drain plug opening with a clean rag (Award 2 marks)	2		
8. Replaced the plug and tightened it to specifications as per the manual (Award 2 marks)	2		
9. Removed the filler cap - Added the proper amount of new compressor oil - Used the sight glass to determine the correct fill level (Award 2 marks each)	4		
10. Replaced the filler cap (Award 1 mark)	1		
11. Checked for leaks (Award 1 mark)	1		
12. Properly disposed the used oil. (Award 1 mark)	1		
GRAND TOTAL	40		

ASSESSMENT OUTCOME	
The candidate was found to be: Competent <input style="width: 50px; height: 25px; border: 1px solid black;" type="checkbox"/> Not yet Competent <input style="width: 50px; height: 25px; border: 1px solid black;" type="checkbox"/> <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