

Instruction Sheet for the Candidate

Qualification	Agricultural Machinery Operator (Level 3)
Competency Standard	Maintain intake & Exhaust System
Purpose of Assessment	Formative Assessment
Candidate Details	Name_____
	Registration/Roll Number_____
Guidance for Candidate	<p>To meet this standard, you are required to complete the following within 03 Hrs. time frame (for practical demonstration & assessment):</p> <ul style="list-style-type: none"> • Service the Air cleaner • Maintain turbo charger • Service the inlet-manifold
Time: 03 Hrs.	During a practical assessment, under observation by an assessor, you are required to
Minimum Evidence Required	<p>Service the Air cleaner</p> <ol style="list-style-type: none"> 1. Remove the pre- air cleaner 2. Clean the pre- air cleaner 3. Install Pre-air cleaner 4. Remove the clamps of hose pipe and air cleaner 5. Wash the air cleaner with kerosene oil 6. Wash the air cleaner with water 7. Install the air cleaner 8. Top up the cleaner with oil <p>Maintain turbo charger</p> <ol style="list-style-type: none"> 1. Remove the exhaust elbow from Turbo charger 2. Remove the hose pipe from Turbo charger 3. Remove the Lubrication pipes from Turbo charger 4. Remove turbo charger from exhaust manifold 5. Remove the clamp of Compressor body of turbocharger 6. Dismantle the core assembly 7. Clean the Core assembly 8. Assemble the turbo charger 9. Install the turbo charger

	<p>Service the inlet-manifold</p> <ol style="list-style-type: none">1. Remove the hosepipe2. Remove the electric connections of Thermo-starter3. Remove the fuel pipes of Thermo-starter4. Remove the fuel line from inlet manifold5. Clean the surface with scraper6. Place the joint-kit7. Install the inlet manifold
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Self-Assessment Checklist

Candidate Name	
Registration No.	
Qualification	Agricultural Machinery Operator (Level 3)
Competency Standard	Maintain intake & Exhaust System
Purpose of Assessment	Formative Assessment
Assessment Task	<ul style="list-style-type: none"> Service the Air cleaner Maintain turbo charger Service the inlet-manifold

I can.....

Performance Criteria	Yes	No
1. Remove the pre- air cleaner	<input type="checkbox"/>	<input type="checkbox"/>
2. Clean the pre- air cleaner	<input type="checkbox"/>	<input type="checkbox"/>
3. Install Pre-air cleaner	<input type="checkbox"/>	<input type="checkbox"/>
4. Remove the clamps of hose pipe and air cleaner	<input type="checkbox"/>	<input type="checkbox"/>
5. Wash the air cleaner with kerosene oil	<input type="checkbox"/>	<input type="checkbox"/>
6. Wash the air cleaner with water	<input type="checkbox"/>	<input type="checkbox"/>
7. Install the air cleaner	<input type="checkbox"/>	<input type="checkbox"/>
8. Top up the cleaner with oil	<input type="checkbox"/>	<input type="checkbox"/>
9. Remove the exhaust elbow from Turbo charger	<input type="checkbox"/>	<input type="checkbox"/>
10. Remove the hose pipe from Turbo charger	<input type="checkbox"/>	<input type="checkbox"/>
11. Remove the Lubrication pipes from Turbo charger	<input type="checkbox"/>	<input type="checkbox"/>
12. Remove turbo charger from exhaust manifold	<input type="checkbox"/>	<input type="checkbox"/>
13. Remove the clamp of Compressor body of turbocharger	<input type="checkbox"/>	<input type="checkbox"/>
14. Dismantle the core assembly	<input type="checkbox"/>	<input type="checkbox"/>

15. Clean the Core assembly	<input type="checkbox"/>	<input type="checkbox"/>
16. Assemble the turbo charger	<input type="checkbox"/>	<input type="checkbox"/>
17. Install the turbo charger	<input type="checkbox"/>	<input type="checkbox"/>
18. Remove the hosepipe	<input type="checkbox"/>	<input type="checkbox"/>
19. Remove the electric connections of Thermo-starter	<input type="checkbox"/>	<input type="checkbox"/>
20. Remove the fuel pipes of Thermo-starter	<input type="checkbox"/>	<input type="checkbox"/>
21. Remove the fuel line from inlet manifold	<input type="checkbox"/>	<input type="checkbox"/>
22. Clean the surface with scraper	<input type="checkbox"/>	<input type="checkbox"/>
23. Place the joint-kit	<input type="checkbox"/>	<input type="checkbox"/>
24. Install the inlet manifold	<input type="checkbox"/>	<input type="checkbox"/>

Candidate's Signature_____ Assessor's Signature_____

Date: _____

Assessors Judgment Guide

Qualification	Agricultural Machinery Operator (Level 3)
Competency Standard	Maintain intake & Exhaust System

Purpose of Assessment	Formative Assessment
Candidate Details	Name: _____ Registration/Roll Number: _____ Signature: _____
Assessment Outcome	COMPETENT <input type="checkbox"/> NOT YET COMPETENT <input type="checkbox"/> Name of the Assessor _____ Assessor's code: _____ Signature: _____

Assessment Summary (to be filled by the assessor)							
Activity	Method					Result	
Nature of Activity	Written	Oral	Observation	Portfolio	Role Play	Competent	Not Yet Competent
Practical Skill Demonstration			✓				
Knowledge Assessment		✓					
Other Requirement							

Observation Checklist

Assessment Task		<ul style="list-style-type: none"> • Service the Air cleaner • Maintain turbo charger • Service the inlet-manifold 		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1.	Remove the pre- air cleaner			
2.	Clean the pre- air cleaner			
3.	Install Pre-air cleaner			
4.	Remove the clamps of hose pipe and air cleaner			
5.	Wash the air cleaner with kerosene oil			
6.	Wash the air cleaner with water			
7.	Install the air cleaner			
8.	Top up the cleaner with oil			
9.	Remove the exhaust elbow from Turbo charger			
10.	Remove the hose pipe from Turbo charger			
11.	Remove the Lubrication pipes from Turbo charger			
12.	Remove turbo charger from exhaust manifold			
13.	Remove the clamp of Compressor body of turbocharger			
14.	Dismantle the core assembly			
15.	Clean the Core assembly			
16.	Assemble the turbo charger			
17.	Install the turbo charger			

18.	Remove the hosepipe			
19.	Remove the electric connections of Thermo-starter			
20.	Remove the fuel pipes of Thermo-starter			
21.	Remove the fuel line from inlet manifold			
22.	Clean the surface with scraper			
23.	Place the joint-kit			
24.	Install the inlet manifold			
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Knowledge Assessment

Qualification	Agricultural Machinery Operator (Level 3)
Competency Standard	Maintain intake & Exhaust System
Purpose of Assessment	Formative Assessment
Candidate Details	Name: _____ Registration/Roll Number: _____ Candidate Signature: _____

Assessment Outcome	COMPETENT <input type="checkbox"/>	NOT YET COMPETENT <input type="checkbox"/>
	Name of the Assessor: _____	
	Assessor's code: _____	
	Signature of the Assessor: _____	

Candidate's response is not required to be identical, but similar concepts and/or keywords must be used. Oral questioning may be used to clarify candidate understanding of topic and its application.

Questions (Candidate confidently answered questions correctly and demonstrated understanding of the topics and their application)		Satisfactory	Not Satisfactory
1.	What is the purpose of Turbocharger?		
2.	What is the boost pressure of the Turbocharger?		
3.	What is the function of Pre heater?		

Feedback to the Candidate

Candidate's Signature _____ Assessor's Signature _____