

Instruction Sheet for the Candidate

Qualification	Agricultural Machinery Technician (AMT) Level-4
Competency Standard	Maintain Steering 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 steering assembly • Service the Hydraulic steering • Service the Steering Cylinder
Time: 03 Hrs.	During a practical assessment, under observation by an assessor, you are required to
Minimum Evidence Required	<p>Service the steering assembly</p> <ol style="list-style-type: none"> 1. Place the Prime Mover on level surface 2. Remove the ball joints 3. Unscrew the nuts and bolts to separate from transmission 4. Remove the arms 5. Remove the side plate 6. Disassemble the steering column 7. Clean and lubricate the components 8. Assemble the steering column 9. Install the Steering side plate and arms <p>Service the Hydraulic steering</p> <ol style="list-style-type: none"> 1. Place the Prime Mover on level surface 2. Remove the reservoir 3. Remove the hydraulic oil filter 4. Clean the hydraulic oil filter with kerosene oil 5. Install oil filter

	<p>6. Install the reservoir</p> <p>Service the Steering Cylinder</p> <ol style="list-style-type: none"> 1. Jack-up the Prime Mover 2. Remove the ball joints 3. Remove the cup 4. Remove the piston 5. Place the seal kit appropriately 6. Assemble the steering cylinder
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Self-Assessment Checklist

Candidate Name	
Registration No.	
Qualification	Agricultural Machinery Technician (AMT) Level-4
Competency Standard	Maintain Steering System
Purpose of Assessment	Formative Assessment
Assessment Task	<ul style="list-style-type: none"> Service the steering assembly Service the Hydraulic steering Service the Steering Cylinder

I can.....

Performance Criteria	Yes	No
1. Place the Prime Mover on level surface	<input type="checkbox"/>	<input type="checkbox"/>
2. Remove the ball joints	<input type="checkbox"/>	<input type="checkbox"/>
3. Unscrew the nuts and bolts to separate from transmission	<input type="checkbox"/>	<input type="checkbox"/>
4. Remove the arms	<input type="checkbox"/>	<input type="checkbox"/>
5. Remove the side plate	<input type="checkbox"/>	<input type="checkbox"/>
6. Disassemble the steering column	<input type="checkbox"/>	<input type="checkbox"/>
7. Clean and lubricate the components	<input type="checkbox"/>	<input type="checkbox"/>

8. Assemble the steering column	<input type="checkbox"/>	<input type="checkbox"/>
9. Install the Steering side plate and arms	<input type="checkbox"/>	<input type="checkbox"/>
10. Remove the reservoir	<input type="checkbox"/>	<input type="checkbox"/>
11. Remove the hydraulic oil filter	<input type="checkbox"/>	<input type="checkbox"/>
12. Clean the hydraulic oil filter with kerosene oil	<input type="checkbox"/>	<input type="checkbox"/>
13. Install oil filter	<input type="checkbox"/>	<input type="checkbox"/>
14. Install the reservoir	<input type="checkbox"/>	<input type="checkbox"/>
15. Jack-up the Prime Mover	<input type="checkbox"/>	<input type="checkbox"/>
16. Remove the cup	<input type="checkbox"/>	<input type="checkbox"/>
17. Remove the piston	<input type="checkbox"/>	<input type="checkbox"/>
18. Place the seal kit appropriately	<input type="checkbox"/>	<input type="checkbox"/>
19. Assemble the steering cylinder	<input type="checkbox"/>	<input type="checkbox"/>

Candidate's Signature_____ Assessor's Signature_____

Date: _____

Assessors Judgment Guide

Qualification	Agricultural Machinery Technician (AMT) Level-4
Competency Standard	Maintain Steering 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 steering assembly • Service the Hydraulic steering • Service the Steering Cylinder 		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1.	Place the Prime Mover on level surface			
2.	Remove the ball joints			
3.	Unscrew the nuts and bolts to separate from transmission			
4.	Remove the arms			
5.	Remove the side plate			
6.	Disassemble the steering column			
7.	Clean and lubricate the components			
8.	Assemble the steering column			
9.	Install the Steering side plate and arms			
10.	Remove the reservoir			
11.	Remove the hydraulic oil filter			
12.	Clean the hydraulic oil filter with kerosene oil			
13.	Install oil filter			
14.	Install the reservoir			
15.	Jack-up the Prime Mover			
16.	Remove the cup			
17.	Remove the piston			
18.	Place the seal kit appropriately			

19.	Assemble the steering cylinder			
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Knowledge Assessment

Qualification	Agricultural Machinery Technician (AMT) Level-4
Competency Standard	Maintain Steering 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
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1.	What are the types of steering system?		
2.	What are main components of power steering?		
3.	What is the Principle of hydraulic system?		

Feedback to the Candidate	
Candidate's Signature _____	Assessor's Signature _____