

Demonstrate Selecting and Using Caterpillar Service Literature

Skill Number CO-OP15GN109

Full Name: Aloysius Chaka SJO

No ID: _____

Validation Date: _____

School: _____

PERFORMANCE TASK:

Given an Engine / Machine and service literatures. The Student must be able to perform task selecting and using Caterpillar service literature.

The student must be able to complete the following tasks:

- Select the correct service manual related to the job
- Find out some information about specification related to the job
- Find out some information about system operation related to the job
- Find out some information about disassembly & assembly related to the job
- Find out some information about testing & adjusting related to the job
- Select the correct part manual related to the job
- Find out correct part number using the component name index page
- Find out correct component name using the part number index page
- Explain some notification on the illustration page
- Order the part using Service Part Request form
- Return the part using Service Part Return form
- Perform close the job by ensuring all systems or conditions are in the standard condition
- Perform communication & etiquette manner

Safety and Contamination Control must be applied to this process. All literatures will be available.

Prerequisite	Yes	No	N/A	Hints
The Student must complete the knowledge assessment. Minimum passing grade 80%.	✓			Score Caterpillar Literature Course or subject.

Tasks	Completed			Observation / Hints
	Yes	No	N/A	
Preparation				
Prepare related literature	✓			Service Manual & Parts Manual related to an actual job Service Parts Request Form Service Parts Return Form
Prepare required equipment	✓			Engine or Machine
Prepare related tools	✓			
Prepare Safety & Contamination Control equipment	✓			

Tasks	Completed			Observation / Hints
	Yes	No	N/A	
Perform etiquette/manner when starting the job	✓			
Meet the customer / assessor	✓			
Perform etiquette/manner when opening the interaction.	✓			• Perform smile & greetings. • Introduce Student's identity
Explain the purpose of Student's activity.	✓			
Ask permission to perform the job.	✓			

Tasks	Completed			Observation / Hints
	Yes	No	N/A	
Selecting and using correct service manual & part manual related to the job	✓			Select the correct Service Manual & Parts Book for a given Machine according to the : - Sales model - Serial number - Arrangement number
Select Service Manual & Part book	✓			
Find information from service manual & parts book	✓			This should be demonstrated by looking up various service information and components as instructed.
Demonstrate understanding of explanation in the service manual and illustration in the Parts Book by answering assessor questions	✓			Such as (for sample only) : - Service Manual "What should we do to remove water pump" or

	<input checked="" type="checkbox"/>			"How to remove the cylinder head of the engine" - Part Book "Please point out the location of final drive bearings in parts book illustration."
Documentation:				
Take picture if needed	<input checked="" type="checkbox"/>			

Tasks	Completed			Observation / Hints
	Yes	No	N/A	
Demonstrate ordering and returning the part using correct form	<input checked="" type="checkbox"/>			
Ordering part by requesting assessor	<input checked="" type="checkbox"/>			Given ordering part of the selection part/group components (engine/machine)
Returning part by requesting assessor	<input checked="" type="checkbox"/>			Given returning part of the selection part/group components (engine/machine)
Documentation:				
Take picture if needed				

Tasks	Completed			Observation / Hints
	Yes	No	N/A	
Perform final inspection	<input checked="" type="checkbox"/>			
Ensuring all systems or conditions are in the standard condition	<input checked="" type="checkbox"/>			<ul style="list-style-type: none"> Find arrangement of the modules in the service manual is match, no folded sheet in service literature, service literature neat (for skill assessment purposes only) Communicate the finding to the customer and modules in the service manual is match, no folded sheet in service literature, service literature neat (for skill assessment purposes only) The action can be done at anytime

Tasks	Completed			Observation / Hints
	Yes	No	N/A	
Reporting	<input checked="" type="checkbox"/>			<ul style="list-style-type: none"> Completing the Task List Completing Measurement Form/Related Check Sheet, if required Create Service Report (SIMS), if required Create SPR, if required Documenting the failed or damaged parts, if required Provide Technical Analysis Report/Failure Analysis Report, if required.
All relevant documentation completed correctly, and approved by customer (if required).	<input checked="" type="checkbox"/>			

Tasks	Completed			Observation / Hints
	Yes	No	N/A	
Safety	<input checked="" type="checkbox"/>			
Using APD related to the job	<input checked="" type="checkbox"/>			<ul style="list-style-type: none"> Comply with safety regulation that applied on the workplace
Follows relevant workplace safety guidelines (tag out, safety equipment)	<input checked="" type="checkbox"/>			<ul style="list-style-type: none"> Create Job Safety Analysis Student must follow safety procedure refer to service manual or SIS related to job
State and follow safety precautions	<input checked="" type="checkbox"/>			
Service man completes job without accident due to incorrect procedure using hand tools.	<input checked="" type="checkbox"/>			<ul style="list-style-type: none"> Correct working position Correct hand tool related to the job
Tasks completed without damage equipment and tools	<input checked="" type="checkbox"/>			

Tasks	Completed		Observation / Hints
	Yes	No	
Environmental Practices & Housekeeping	✓		<ol style="list-style-type: none"> 1. Waste is minimized, waste material, including sludge, solids and other wastes are sorted and stored in bins for recycling or disposal 2. Packaging of goods received is sorted and reused or disposed of by recycling 3. Materials that can be reused are cleaned and stored 4. Waste and scrap is removed following workplace procedures 5. All fluids are disposed of in accordance with enterprise policies and procedures

Tasks	Completed			Observation / Hints
	Yes	No	N/A	
Perform etiquette/manner after completing the job				<ul style="list-style-type: none"> • Perform smile & greetings. • Ask permission to leave or end the interaction.
Perform etiquette/manner when closing the communication.				

General Comments

Blank area for general comments.

RESULT: COMPETENT NOT YET COMPETENT (please check (✓))

Student: Anggas chaka sd 31/12/25 

Assessor: Sekisus SB 31/12/25 

Supervisor: _____ Date _____ Signature _____

Data Recorded: Name _____ Date _____ Signature _____

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- Perform close the job by ensuring all systems or conditions are in the standard condition
- Perform communication & etiquette manner

Safety and Contamination Control must be applied to this process. All literatures will be available.

Prerequisite	Yes	No	N/A	Hints
The Student must complete the knowledge assessment. Minimum passing grade 80%.	✓			

Tasks	Completed			Observation / H
	Yes	No	N/A	
Preparation				
Prepare related literature	✓			
Prepare required equipment	✓			
Prepare related tools	✓			
Prepare Safety & Contamination Control equipment	✓			

Tasks	Completed			Observation / H
	Yes	No	N/A	
Perform etiquette/manner when starting the job	✓			
Meet the customer / assessor	✓			
Perform etiquette/manner when opening the interaction.	✓			
Explain the purpose of Student's activity.	✓			
Ask permission to perform the job.	✓			

Tasks	Completed			Observation / Hints
	Yes	No	N/A	
Selecting and using correct service manual & part manual related to the job	✓			
Select Service Manual & Part book	✓			
Find information from service manual & parts book	✓			
Demonstrate understanding of explanation in the service manual and illustration in the Parts Book by answering assessor questions	✓			
Documentation:				
Take picture if needed	✓			

Tasks	Completed			Observation / Hints
	Yes	No	N/A	
Demonstrate ordering and returning the part using correct form				
Ordering part by requesting assessor	✓			
Returning part by requesting assessor	✓			
Documentation:				
Take picture if needed	✓			

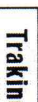
Tasks	Completed			Observation / Hints
	Yes	No	N/A	
Perform final inspection				
Ensuring all systems or conditions are in the standard condition	✓			

Tasks	Completed			Observation / Hints
	Yes	No	N/A	
Reporting All relevant documentation completed correctly, and approved by customer (if required).	✓			

Tasks	Completed			Observation / Hints
	Yes	No	N/A	
Safety				
Using APD related to the job	✓			
Follows relevant workplace safety guidelines (tag out, safety equipment)	✓			
State and follow safety precautions	✓			
Service man completes job without accident due to incorrect procedure using hand tools.	✓			
Tasks completed without damage equipment and tools	✓			



Tasks	Completed			Observation / Hints
	Yes	No	N/A	
Contamination Control				
Environmental Practices & Housekeeping	✓			
Tasks				
Perform etiquette/manner after completing the job	✓			
Perform etiquette/manner when closing the communication.				



General Comments

Three horizontal lines for writing general comments.

RESULT: COMPETENT NOT YET COMPETENT (please check (✓))

Student: Aloysius Chakaso 31/12/25
Name Date Signature

Assessor: Skirwan TB 31/12/25
Name Date Signature

Supervisor: _____
Name Date Signature

Data Recorded: _____
Name Date Signature

D8N Tractor

③ Bore : 137 mm
Stroke : 165 mm
Displacement : 14,6 Liter
Arangement of cylinder : 2.431 cc

⑬ Fuel tank : 480 liters
Engine : 38 liters
Hydraulic : 98 liters
Final drives : 13,5 liters

① D8N Tractor
9TC1-UP
1XJ1-UP
5TJ1-UP
SN Service manual.
SENR3405

⑩ Berate Engine & Torque Divider : 2340 kg

⑪ 25.026 kg

⑭
- Pressure Cap
- Secondary Element
- Fuses and circuit Breakers

⑮
A. SAE 15W40
B. SAE 30
C. SAE 15W40
D. SAE 30

⑯
110
230

D8N Tractor.

- 1) Tuliskan identitas service manual secara lengkap.
- 2) Tuliskan jenis dari steering motor unit D8N.
- 3) Tuliskan spect engine 3406 engine meliputi
 - a bore
 - b Stroke .
 - c Displacement
 - d Arrangement of cylinders.
- 4) Apakah warna washer 4W7012 pada Fuel Injection Nozzle and Adapter (Earlier engines).
- 5) Tuliskan spect dan warna spring pada fuel ratio control dengan SN 7N9159.
- 6) Pada Engine 3406 Vehicular Engine menggunakan fuel system jenis
- 7) Berapakah minimum pressure oil pada Rpm 1600
- 8) Berapakah Boiling Point of water pada Altitude . 2400 meters. tekanan . 6 PSI.
- 9) Tuliskan Parts No ~~alat~~ alat untuk mengukur tekanan pada cooling system check
- 10) Berapakah berat engine + torque divider pada unit D8N ini.
- 11) Tuliskan berapakah berat unit D8N dengan SN. 5TJ7-up.
- 12) Pada Pm berapakah harus dilakukan Track Adjustment serta jelaskan cara Track Adjuster.
- 13) Tuliskan refill capacities untuk
 - a. fuel tank .

14). Tuliskan kebutuhan parts yang harus diganti pada SPK untuk unit D8N. Saat PM 800 H. (3 months).

15). Tuliskan type oli yang digunakan untuk.

- A. Engine Crankcase. pada temp. -15°C / $+50^{\circ}\text{C}$.
- B. Power Shift transmission pada temperatur 0°C / $+35^{\circ}\text{C}$.
- C. Hydraulic system pada temperatur -15°C / $+50^{\circ}\text{C}$.
- D. Final drives. pada temperatur -20°C / $+25^{\circ}\text{C}$.