

Demonstrate Carrying Out Jacking, Blocking and Lifting of Heavy Equipment and Components Safely

Skill Number CO-OP15GN108

Full Name: Akbar Pratama Lumbu SNISAP ID: 01

Job Title: _____ Branch/Area: _____

PERFORMANCE TASK:

Given a large machine component, the necessary lifting equipment and lifting chains/slings, the student is to lift and move the component from one location to another. The component is to be correctly supported once placed on the ground or workbench. The component is to be supported in a manner that will enable service work to be carried out.

The student must be able to:

- Selecting tools used and identify SWL correctly
- Jack and block Heavy Equipment correctly and safely
- Lift and support engine or machine component correctly
- Follow service procedure on Service Manual correctly
- Follow standard safety & contamination control procedure related to the job
- Perform communication & etiquette manner

Students are to be given a copy of TCL005 Practical Activity 2 – Student Performance sheet and fill out appropriate areas. It is recommended that Facilitators put questions to students regarding the findings of their inspections and subsequent report. The student will also be required to complete relevant workplace documentation and is to observe the correct safety procedures at all times

Safety and Contamination Control must be applied to this process at all times.

Prerequisite	Completed		Hints
	Yes	No	
The Student must complete the knowledge assessment. Minimum passing grade 80%.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Score jacking, blocking, and lifting course or subject.

Tasks	Completed		Observation / Hints
	Yes	No	
Preparation Prepare related literature Work instructions are used to determine job requirements, including method, process and equipment Job specifications are read and interpreted. Information is accessed from manufacturer/component supplier specifications and correctly incorporated. Information is accessed from manufacturer/component supplier specifications and correctly incorporated	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Practical Activity 1 Worksheet Observe if candidate is referring to Manufacturer's specifications and/or service intervals. Observe if candidate is referring to and observing Manufacturer's specifications and/or service intervals
Prepare required equipment	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Prepare related tools Materials, components, equipment and tooling are identified and checked for safe and effective operation	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Refer to MOD resources list. Material, components, tooling and equipment to complete work are identified, selected and prepared in accordance with site procedures
Prepare Safety & Contamination Control equipment	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

Tasks	Completed		Observation / Hints
	Yes	No	
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.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Perform smile & greetings. Introduce Student's identity

Tasks	Completed		Observation / Hints
	Yes	No	
Visual Check			
Pre-inspection procedures	✓		Location of site to move component, personnel in the area, support material available at site
Crane/Lifting apparatus inspection	✓		Inspection of crane or lifting apparatus
Lifting equipment	✓		Inspection of chains/slings or other lifting apparatus.
Support materials	✓		Serviceable and will complete the task safely.

Tasks	Completed		Observation / Hints
	Yes	No	
Visual Check			
Site location selected	✓		Safe and secure area, will not affect other Personnel
Supports in place	✓		Tail rope, if required
Jacking and Blocking			
Jacking procedures	✓		Type of load, center of gravity, jacking points, SWL equipment and jacking tool, area ideal for jacking procedure.
Jack conducted	✓		Jack in correct position
Blocking procedure	✓		Type of blocking that use, SWL, Blocking points.
Blocking conducted	✓		Lowered correctly, supports in place, load secured and not moving once placed on ground or bench, jacking tool removed and moved out of the way
Blocking allows for service work to be conducted	✓		Job supported to allow work to be concluded.
Lifting			
Hook up procedures	✓		Check as per 10 steps of safe lifting in Student/Facilitator Guide, type of load, center of gravity, hook up points, hook up

Tasks	Completed		Observation / Hints
	Yes	No	
Visual Check			
Lift conducted	✓		points checked, position of hooks, hook-up secure. Checked security of hook up points, load lifted slightly, check center of gravity, slings not twisted, kinked, binding, easy lift and not jerky, lift straight up and down - no angle on crane
Load moved to chosen site	✓		Minimum distance off the ground to complete task, other personnel considered, swaying of the load controlled.
Load lowered and supported	✓		Lowered correctly, supports in place, load secured and not moving once placed on ground or bench, lifting tackle removed and moved out of the way
Support allows for service work to be conducted	✓		Job supported to allow work to be conducted. Use of Tools and Equipment

Tasks	Completed		Observation / Hints
	Yes	No	
Use of Tools and Equipment			
Tests and adjustments carried out according to manufacturer's specifications and procedures	✓		
Service is completed without damage to equipment and tools	✓		Tooling is checked for serviceability and reported if found unserviceable
Equipment and tooling is cleaned and returned to its correct location	✓		Unserviceable equipment and/or tooling is tagged and faults identified in accordance with workshop requirements
Work area left clean and tidy	✓		

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

Tasks	Completed			Observation / Hints
	Yes	No	N/A	
Safety				
Using PPE related to the job	✓			
Follows relevant Workplace Safety Guidelines (LOTO, Safety Equipment)	✓			<ul style="list-style-type: none"> • Comply with safety regulation that applied on the workplace
State and follow Safety Precautions	✓			<ul style="list-style-type: none"> • Create Job Safety Analysis • Student must follow safety procedure refer to service manual or SIS related to job
Student completes job without accident due to incorrect procedure using hand tools.	✓			<ul style="list-style-type: none"> • Correct working position • Correct hand tool related to the job
Tasks completed without damage equipment and tools	✓			

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

General Comments

Taru Completed

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

Service man: Lembu Name 16-3-2016 Date
Arsan Hardi W., S.Pd.,Gr. Name 16/3/16 Date
NIP. 19840822 202221 1 012

Supervisor: _____ Name _____ Date _____ Signature _____

Data Recorded: _____ Name _____ Date _____ Signature _____

Demonstrate Carrying Out Jacking, Blocking and Lifting of Heavy Equipment and Components Safely

Skill Number CO-OP15GN108

Full Name: Akbar Pratama Lumb SNS/AP ID: _____
 Branch/Area: _____

PERFORMANCE TASK:

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The student must be able to:

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- Follow standard safety & contamination control procedure related to the job
- Perform communication & etiquette manner

Students are to be given a copy of TCL005 Practical Activity 2 – Student Performance sheet and fill out appropriate areas. It is recommended that Facilitators put questions to students regarding the findings of their inspections and subsequent report. The student will also be required to complete relevant workplace documentation and is to observe the correct safety procedures at all times

Safety and Contamination Control must be applied to this process at all times.

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

Tasks	Completed		Observation / Hints
	Yes	No	
Preparation Prepare related literature Work instructions are used to determine job requirements, including method, process and equipment Job specifications are read and interpreted. Information is accessed from manufacturer/component supplier specifications and correctly incorporated. Information is accessed from manufacturer/component supplier specifications and correctly incorporated	✓		
Prepare required equipment	✓		
Prepare related tools	✓		
Materials, components, equipment and tooling are identified and checked for safe and effective operation	✓		
Prepare Safety & Contamination Control equipment	✓		

Tasks	Completed		Observation / Hints
	Yes	No	
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	
Visual Check			
Pre-inspection procedures	✓		
Crane/Lifting apparatus inspection	✓		
Lifting equipment	✓		
Support materials	✓		

Tasks	Completed		Observation / Hints
	Yes	No / N/A	
Visual Check			
Site location selected	✓		
Supports in place	✓		
Jacking and Blocking			
Jacking procedures	✓		
Jack conducted	✓		
Blocking procedure	✓		
Blocking conducted	✓		
Blocking allows for service work to be conducted	✓		
Lifting			
Hook up procedures	✓		
Lift conducted	✓		
Load moved to chosen site	✓		
Load lowered and supported	✓		
Support allows for service work to be conducted	✓		

Tasks	Completed		Observation / Hints
	Yes	No / N/A	
Use of Tools and Equipment			
Tests and adjustments carried out according to manufacturer's specifications and procedures	✓		
Service is completed without damage to equipment and tools	✓		
Equipment and tooling is cleaned and returned to its correct location	✓		
Work area left clean and tidy	✓		

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	
Safety			
Using PPE related to the job	✓		
Follows relevant Workplace Safety Guidelines (LOTO, Safety Equipment)	✓		
State and follow Safety Precautions	✓		
Student completes job without accident due to incorrect procedure using hand tools.	✓		
Tasks completed without damage equipment and tools	✓		

Tasks	Completed		Observation / Hints
	Yes	No	
Contamination Control			
Environmental Practices & Housekeeping	<input checked="" type="checkbox"/>		

Tasks	Completed		Observation / Hints
	Yes	No	
Perform etiquette/manner after completing the job	<input checked="" type="checkbox"/>		
Perform etiquette/manner when closing the communication.			

General Comments

Task Completed

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

Serviceman: Lembu Name 16-3-2026 Date *(Signature)*
 Assessor: Arsan Harði W., S.Pd.,Gr. Name 16/3/21 Date *(Signature)*
 NIP. 19840822 202221 1 012

Supervisor: _____ Name _____ Date _____ Signature _____

Data Recorded: _____ Name _____ Date _____ Signature _____