

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

Skill Number CO-OP15GN108

Full Name: Sulton Raynon zaki .A

SNSAP ID:

Job Title: Lifting Differential

Branch/Area:

Workshop TAB

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 TCOL05 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%.	✓			Score jacking, blocking, and lifting course or subject.

Tasks	Completed			Observation / Hint
	Yes	No	N/A	
Preparation				
Prepare related literature	✓			Practical Activity 1 Works
Work instructions are used to determine job requirements, including method, process and equipment				Observe if candidate is refer to Manufacturer's specific and/or service intervals.
Job specifications are read and interpreted. Information is accessed from manufacturer/component supplier specifications and correctly incorporated.				Observe if candidate is refer to and observing Manual specifications and/or intervals
Information is accessed from manufacturer/component supplier specifications and correctly incorporated.				
Prepare required equipment	✓			
Prepare related tools	✓			Refer to MOD resource Material, components, and equipment to work are identified, select prepared in accordance with procedures
Materials, components, equipment and tooling are identified and checked for safe and effective operation				
Prepare Safety & Contamination Control equipment	✓			
Perform etiquette/manner: when starting the job				
Meet the customer / assessor	✓			
Perform etiquette/manner when opening the interaction.	✓			• Perform smile & greet • Introduce Student's idea
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	✓			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 chainslings or other lifting apparatus.
Support materials	✓			Serviceable and will complete the task safely.

Tasks	Completed			Observation / Hints
	Yes	No	N/A	
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 conducted.
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

Lift conducted	✓			points checked, position hooks, hook-up secure.
Load moved to chosen site	✓			Checked security of ho points, load lifted slightly, center of gravity, sling twisted, kinked, binding, e and not jerky, lift straight down - no angle on crane
Load lowered and supported	✓			Minimum distance of the to complete task, st personnel considered, st of the load controlled.
Support allows for service work to be conducted	✓			Lowered correctly, support piece, load secured an moving once placed on G or bench, lifting tackle re and moved out of the way
				Job supported to allow w be conducted.
				Use of Tools and Equipme

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	✓			Tooling is checked serviceability and report found unserviceable
Equipment and tooling is cleaned and returned to its correct location	✓			Unserviceable equipment tooling is tagged and identified in accordance 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 (SMS), 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	N/A	
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 recycling or disposal 2. Packaging of goods received is sorted and reused or disposed of by rec. 3. Materials that can be reused are cleaned and stored 4. Waste and scrap is removed follow 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 the interaction.

General Comments

Three horizontal lines for general comments, all of which are currently blank.

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

Serviceman: Sultan polvor 2 A 21/12/2025

Assessor: Sharon B 21/12/2025

Supervisor: _____

Data Recorded: _____

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

Skill Number CO-OP15GN108

Full Name: Sultan Poulhan 2.H

SNSAP ID: _____

Job Title: UFTING DIFERENSIAL

Branch/Area: WOTSHOP TAB

PERFORMANCE TASK:

Given a large machine component, the necessary lifting equipment and lifting chainslings, 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 TCU005 Practical Activity 2 – Student Performance sheet and fill out appropriate areas. It is recommended that Facilitators put questions to students regarding 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	N/A	
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	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	
Visual Check				
Pre-inspection procedures	✓			
Cranelifting 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	N/A	
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	✓		

Tasks	Completed			Observation / Hints
	Yes	No	N/A	
Perform etiquette/manner after completing the job				
Perform etiquette/manner when closing the communication.				

General Comments

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

Service man: Sutton Poonnon 7.14 Name 22/12/2015 Date

Assessor: [Signature] Name [Signature] Date [Signature]

Supervisor: _____ Name _____ Date _____ Signature _____

Data Recorded: _____ Name _____ Date _____ Signature _____