

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

Skill Number CO-OP15GN108

Full Name: Revelin Waly M

SNISAP ID: _____

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 TOL005 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 /
	Yes	No	N/A	
Preparation				
Prepare related literature	✓			Practical Activity 1 W 4/11 80069
Work instructions are used to determine job requirements, including method, process and equipment	✓			Observe if candidate to Manufacturer's spec and/or service inter
Job specifications are read and interpreted. Information is accessed from manufacturer/component supplier specifications and correctly incorporated.	✓			Observe if candidate to end observing Manufacturer's specifications and intervals
Information is accessed from manufacturer/component supplier specifications and correctly incorporated.	✓			
Prepare required equipment	✓			
Prepare related tools	✓			Refer to MOD res Material, component and equipment to work are identified, & prepared in accordance procedures
Materials, components, equipment and tooling are identified and checked for safe and effective operation	✓			
Prepare Safety & Contamination Control equipment	✓			

Tasks	Completed			Observation /
	Yes	No	N/A	
Perform etiquette/manner when starting the job				
Meet the customer / assessor	✓			
Perform etiquette/manner when opening the interaction.	✓			• Perform smile & g • Introduce Student
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
Cranelifting 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, points, hook-up secured
Load moved to chosen site	✓			Checked security of points, load lifted slig center of gravity, twisted, kniked binding and not jerky, lift strait down - no angle on or
Load lowered and supported	✓			Minimum distance off to complete task personnel considered of the load controlled.
Support allows for service work to be conducted	✓			Lowered correctly, s place, load secured moving once placed or bench, lifting tackle and moved out of the
				Job supported to allow work to be conducted.
				Use of Tools and Equipment

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 found unserviceable
Equipment and tooling is cleaned and returned to its correct location	✓			Unserviceable equipment tooling is tagged and identified in accordance with workshop requirements
Work area left clean and tidy	✓			



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

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

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

Tasks	Completed			Observation / Hints
	Yes	No	N/A	
Perform etiquette/manner after completing the job	✓			<ul style="list-style-type: none"> • Perform smile & give the interaction.

General Comments

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

Serviceman: Revaldin Markham 23/2/2016 Rumby
Name Date Signature

Assessor: Schaeffer 23/02/2016 [Signature]
Name Date Signature

Supervisor: _____
Name Date Signature

Data Recorded: _____
Name Date Signature



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Skill Number CO-OP15GN108

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 Job Title: _____ Branch/Area: _____

PERFORMANCE TASK:

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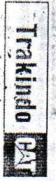
The student must be able to:

- Selecting tools used and identify SWL correctly
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- 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 TOL005 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
	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.	✓			
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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	✓			
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	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	✓			



General Comments

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:	✓			

RESULT: COMPETENT NOT YET COMPETENT (please

Serviceperson: Rushkin Makym 23/12/2016 Rushkin Makym

Assessor: Sofia Ivanova 23/12/2016 [Signature]

Supervisor: _____ Date: _____ Signature: _____

Data Recorded: _____ Name: _____ Date: _____ Signature: _____

ANALISIS LINGKUNGAN KESELAMATAN KERJA / JOB SAFETY ENVIRONMENT ANALYSIS

Pekerjaan / Task	R1 Oil Pan	Nomor JSEA / JSEA Number	Halaman / Page	Dari / Of
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Tanggal Pembuatan JSEA / Date of JSEA	18-02-2026	Departemen / Dept	Tempat Kerja / Work Location
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Disusun Oleh / Compiled By	Revoldin	TTD / Sign	Review Oleh / Reviewed By	TTD / Sign	Atasan / Superior	TTD / Sign
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Apakah Anda sudah terlatih untuk melakukan pekerjaan ini? / Are you properly trained to complete these task? Ya / Yes Tidak / No

Apakah Anda perlu memastikan bahwa pekerjaan selesai tanpa adanya kecelakaan kerja? / What do you need to ensure this job is completed incident free?

Tools yang digunakan sudah sesuai dengan Manual

Siapa yang bertanggung jawab untuk menghentikan pekerjaan jika terjadi perubahan pekerjaan atau gangguan kondisi lingkungan kerja? / Who is responsible for Stop Work Authority if change job or work place distraction could?

ABCD-1 (Technician Leader) / Mr. X (Customer)

Apakah Anda memerlukan peralatan LOTO? / Are you need LOTO Equipments? Ya / Yes Tidak / No

Apakah Anda mengetahui ERP/MERP dari pekerjaan yang sedang dilakukan? Ya / Yes Tidak / No *Jika tidak, silahkan tambahkan dalam urutan langkah tugas diawal*

Kondisi Lingkungan / Environmental Conditions	Cuaca / Weather	cerah	Medan / Terrain	rata
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Pengendalian Sumber Bahaya / Hazardous Energy Control	<input type="checkbox"/> Listrik / Electrical	<input checked="" type="checkbox"/> Gravitasi (Benda jatuh, tertimpa) / Gravitation (Falling objects, struck down)	<input type="checkbox"/> Pneumatik / Pneumatic
	<input type="checkbox"/> Hidraulik / Hydraulic	<input checked="" type="checkbox"/> Mekanis / Mechanical	<input type="checkbox"/> Panas / Thermal

APD yang diperlukan / Required PPE	<input checked="" type="checkbox"/> Helm / Safety Helm	<input checked="" type="checkbox"/> Pelindung Muka / Face shield	<input type="checkbox"/> Kacamata / Safety Glass
	<input checked="" type="checkbox"/> Sarung Tangan / Hand Gloves	<input checked="" type="checkbox"/> Pelindung Pernafasan / Respiratory Protection	<input type="checkbox"/> Perlindungan Kejatuhan / Fall Protection
	<input checked="" type="checkbox"/> Sepatu / Safety Shoes	<input type="checkbox"/> Pelindung Telinga / Hearing Protection	<input type="checkbox"/> Lain-Lain / Other

Hal yang perlu dipertimbangkan dalam mengidentifikasi bahaya / These to consider in identify hazards :

<p>1 Bahaya Keselamatan : Kondisi tidak aman yang dapat menyebabkan injury atau kematian seperti terpeleceh, terpeleceh/terjatuh, tertimpa dll. <i>Safety Hazard : unsafe conditions that can cause injury or even death, such as spill/falls, pinch point, struck by, etc.</i></p> <p>2 Bahaya Fisik : Listrik, Api/ledakan, Kebisingan, Radiasi, Panas, Tekanan, Terjepit, Tersandung/Terjatuh, Tertimpa, Getaran. <i>Physical Hazards : Electrical, Fire/Explosion, Noise, Radiations, Thermal, Pressure, Pinch Point, Slips/Falls, Struck by, Vibration.</i></p> <p>3 Bahaya Kimia : Terhirup, terkena kulit, injeksi, tertelan, terserap. <i>Chemical Hazards : Inhalation, skin contact, injection, ingestion, absorption.</i></p>	<p>4 Bahaya Biologi : Patogen yang ditularkan melalui darah, jamur, tanaman/serangga/hewan. <i>Biological Hazards : bloodborne pathogens, mold, Plant/Insect/Animals</i></p> <p>5 Bahaya Ergonomi : Gerakan berulang-ulang, beban yang berlebihan, Postur Janggal, Durasi kerja, Desain area kerja. <i>Ergonomic Hazards : Repetitions, Forcefull extention, Awkward Posture, Duration, Work area desain.</i></p> <p>6 Bahaya Organisasi : stres atau bahaya terkait dengan masalah tempat kerja yang menyebabkan efek jangka panjang atau pendek, beban kerja yang berat dan kekerasan ditempat kerja. <i>Organizational hazards: stressors or hazards associated with workplace issues that cause long or short term effects heavy workloads, stressful interactions and workplaces violence.</i></p>
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No	Urutan Dasar Langkah Tugas / Job Steps (* Maksimal 15 Langkah / Maximum 15 Steps)	Bahaya Yang Terkait / Potential Hazard(s)	Tindakan Perbaikan / Recommended Action
1.	walk around inspection	1.1 tersandung komponen	1.1.1 Fokus saat bekerja 1.1.2 gunakan safety shoes
2.	Prepare tools	1.2 terpeleceh di	1.2.1 bersihkan dg absorbend pet
		2.1 tool terkontaminasi	2.1.1 bersihkan /lop dg absorbend pet
3.	Doing remove oil pan	2.2 tool terjatuh	2.2.1 pegang tool dg benar 2.2.2 gunakan safety gloves
		3.1 terjepit komponen	3.1.1 hindari titik jepit 3.1.2 gunakan safety gloves
4.	Doing lifting	3.2 tertimpa komponen	3.2.1 pegang komponen dg benar 3.2.2 gunakan APD lengkap
		3.3 komponen berdebu	3.3.1 bersihkan dg white towel
		3.4 tangan terpelintir	3.4.1 gunakan safety gloves
		3.5 ergonomi	3.5.1 perbaiki posisi pengangkatan 3.5.2 perbaiki dimana benda akan diletakkan
		4.1 terjepit	4.1.1 hindari titik jepit 4.1.2 gunakan safety gloves
		4.2 terbentur	4.2.1 hindari titik bentur 4.2.2 gunakan safety helmet



gunakan air hangat & sabun yg lembut tidak boleh menggunakan jenis larutan pembersih yg lain

~~Kawat / sikat pembersih dg sikat berbulu halus di atas nod~~

2. gonjung & disemprot keporannya hingga turun dg air tsb agar pasir $\frac{2}{3}$ halus dari sling keluar

3. Saat dikeringkan harus dlm kondisi atmosfer sejuk & tak digonjung di dekat sumber panas

periksa beban

tentukan kapasitas crane

Dimana beban akan ditempatkan

tentukan titik pusat beban (center of gravity) (COG)

Bagaimana beban akan diangkat

Pilih sling / Attachment yg sesuai

Arahkan crane langsung diatas beban

pasang sling pd beban

Angkat beban sampai sling menegang, stop & periksa lebih dahulu

tarik & periksa keseimbangan beban

1/2
3/4
1/3