# TASK ASSESSMENT FOR SLICKLINE ASSISTANT

## UNIT: SURFACE EQUIPMENT

| | |
|---|---|
| NAME | MD IFWAT AFIQ BIN SAMSULLIZAM |
| EMPLOYMENT DATE | 11 November 2024 |
| PERFORMANCE CRITERIA | 1. Equipment design / technical specification / features: Know and understand equipment design / technical specifications / features<br>2. Equipment operation: Able to operate the equipment<br>3. Equipment maintenance / care: Able to perform equipment recommended care / maintenance |

ASSESSMENT RESULT SUMMARY

| Element of Competency | Score | Assessed By | Assessment Date | Verified By FSM / OM | Verification Date |
|---|---|---|---|---|---|
| 1. Reel Skid Unit | 8 | HENIEKEN | 29/4/25 | | |
| 2. Power Pack | 8 | HENIEKEN | 29/4/25 | ALLEYSON AKIN<br>DIMENSION BID (M) SDN BHD<br>East Malaysia Operation<br>5/5/25 | |
| 3. Air Compressor | 8 | HENIEKEN | 29/4/25 | | |
| 4. Control Panel | 8 | SYAIFUL | 30/4/25 | | |
| 5. High Pressure Test Pump | 8 | SYAIFUL | 30/4/25 | | |
| Total Score | ~~80~~ 40 | | | | |
| % | 80 | | | | |

**Important Note:** The minimum passing score is 60%. If the score falls below minimum passing score, the employee must repeat the assessment

Assessor's Comments & Recommendation

Good worker and willing to learn

GAZALI MEHRY
Dimension Bid (M) Sdn Bhd
Labuan Warehouse
Slickline Services

FSM / OM Comments & Recommendation

- Need to learn basic troubleshoot (PP, RSU)

# REEL SKID UNIT - SLIMLINE UNIT - SPOOLING UNIT

| THEORY | COMMENT |
|---|---|
| 1. Identify the Reel Skid Unit and explain the function | |
| 2. Show where the following components allocated at RSU and explain the function | ~~MORE LEARNING~~ |
| i. Double AA Valve | MORE LEANING |
| ii. 4 – 2 Way Directional Control Valve | ~~MORE LEARNING~~ |
| iii. Selector Gear Speed | GOOD |
| iv. Pressure Wheel | GOOD |
| v. Counter Wheel - How to verify size for each wire gauge | GOOD |
| vi. Odometer | GOOD |
| vii. Right Angle Drive | GOOD |
| viii. Odometer Cable | GOOD |
| ix. Wire Roller Guide | GOOD |
| x. Hydraulic Pump Motor | ~~MORE LEARNING~~ |
| xi. Selector Gear Drum | GOOD |
| xii. Hand Break | GOOD |
| xiii. Wire | ~~MORE LEARNING~~ |
| xiv. Weight Indicator and Load Cell | ~~MORE LEARNING~~ |
| xv. Wire Drum Pillow Bearing | GOOD |
| 3. Explain how the Reel Skill Unit operating | ~~MORE LEARNING~~ |
| 4. What should you check BEFORE operating the Reel Skid Unit (Show the Start – Up maintenance Checklist and understand requirement) | GOOD |
| 5. What is the most important thing to check before and during use of the weight indicator? | GOOD |
| 6. When flushing / recharging with the recommended Martin Decker W-15 fluid, what precautions should be taken? | GOOD |
| 7. How often should the weight indicator be calibrated? | MORE LEARNING |
| 8. What is the recommended gap in the load cell? | GOOD |
| 9. What is the purpose of the glycerin fluid in the gauge? | MORE LEARNING |
| 10. Can other fluids be used in the system? Why? | MORE LEARNING |
| **Practical** | |
| 1. Show how to carry out following basic maintenance<br>i. Greasing bearing<br>ii. Re-tighten bolt and nut<br>iii. Lubricate wire while RIH<br>iv. Re-Tension Dual Drive Chain<br>v. Lubricate Odometer and Odometer Cable<br>vi. Protect bolt, nut, fitting etc with Denso Tape (Grease Tape) | MORE LEARNING |

| OVERALL SCORE | STRONG | | | ADEQUATE | | | IMPROVEMENT NEEDED | | |
|---|---|---|---|---|---|---|---|---|---|
| | 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 |

| Comments by Assessor (COMPULSORY):<br>- NEED MORE LEARNING FUNCTIONING REEL SKID. | | | |
|---|---|---|---|
| Signature | | Assessment Date | 29/4/2025 |
| Name | HENIKEN | Position | B.MECH |

# POWER PACK

| THEORY | COMMENT |
|---|---|
| 1. Identify the Diesel and explain its function<br>* Need to learn to adjust overspeed shutdown. | MORE LEARNING |
| 2. Show where the following components allocated at Power Pack and explain the function | |
| i. Air Starter | GOOD |
| ii. Fan Belt | GOOD |
| iii. Fan Belt Tensioner Pulley | GOOD |
| iv. Radiator | GOOD |
| v. Hydraulic Coolant | GOOD |
| vi. High Pressure Hydraulic Pump | MORE LEARNING |
| vii. Pressure Reducing Valve | MORE LEARING |
| viii. Throttle | GOOD |
| ix. Emergency Knop | MORE LEANING |
| x. Stop Knob | GOOD |
| xi. RPM, Pressure and Temperature Gauge | GOOD |
| xii. Electrical Motor (Electrical Power Pack) | - |
| xiii. ON/OFF Switch (Electrical Power Pack) | - |
| xiv. Armoured Cable (Electrical Power Pack) | - |
| 3. Explain how the following Power Pack operating | GOOD |
| i. Diesel Power Pack | |
| 4. What should you check BEFORE you start the Power Pack (show the Start-up Maintenance Checklist and explain the requirement) | GOOD |
| 5. What are the safety precaution to be alert with while Power Pack is running | GOOD |
| 6. If the diesel engine will not start, what are the 2 things you should check first? | MORE LEARNING |
| 7. How many forward gears does the wireline unit have? | GOOD |
| **Practical** | |
| 1. Explain how to start the Diesel Power Pack and show how to hook-up 1" and 1-1/4" Hydraulic Hose | GOOD |
| 2. How to carry-out following basic maintenance | GOOD |
| i. Protect bolt, nut, fittings etc with Denso Tape (Grease Tape) | GOOD |
| ii. Re-tighten bolt and nut | GOOD |
| iii. Protect 1" and 1-1/4" Hydraulic Hose Connection | GOOD |
| iv. Clean up Air Filter with air | GOOD |
| v. Re-tension Fan Belt | MORE LEANING |
| 3. Identify the DAILY pre-start check points | GOOD |
| | |

| OVERALL SCORE | STRONG | | | ADEQUATE | | | IMPROVEMENT NEEDED | | |
|---|---|---|---|---|---|---|---|---|---|
| | 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 |

| Comments by Assessor (COMPULSORY) | | | |
|---|---|---|---|
| - MORE LEARNING ~~ABOUT~~ HOW TO TROUBLESHOOT ROOT CAUSE ENGINE FAILURE. | | | |
| Signature | | Assessment Date | 29/4/2025 |
| Name | HENIEKER | Position | S.MECH |

# AIR COMPRESSOR

| THEORY | COMMENT |
|---|---|
| 1. Identify the Portable Air Compressor and explain its function | MORE LEARNING |
| 2. Show where the following components allocated at Air Compressor and explain the function | |
| i. Starter | GOOD |
| ii. ON / OFF Switch | GOOD |
| iii. Fan Belt | GOOD |
| iv. Fan Belt Tensioner Pulley | MORE LEARNING |
| v. Hydraulic Coolant | GOOD |
| vi. Battery | — |
| vii. Compressor Tank and Compressor Tank Drainage Line | GOOD |
| viii. Air Outlet | GOOD |
| ix. Alternator | — |
| x. Fuel Injection Pump | MORE LEARNING |
| xi. Pressure Gauge | GOOD |
| 3. Explain how to start the Air Compressor | GOOD |
| 4. What should you check BEFORE you start the Air Compressor (show the Start-up Maintenance Checklist and explain the requirement) | GOOD |
| 5. What are the safety precaution to be alert with while Air Compressor is running | GOOD |
| 6. Why contaminated water should be drained from Compressor Tank before starting the Air Compressor | MORE LEARNING |
| **Practical** | |
| 1. Show how to carry-out following basic maintenance | |
| i. Protect bolt, nut, fittings etc with Denso Tape (Grease Tape) | GOOD |
| ii. Re-tighten bolt and nut | GOOD |
| iii. Check Compressor Hyd Oil Level and fill-up if necessary | GOOD |
| iv. Re-tension Fan Belt | GOOD |
| v. Service ON/OFF Switch | GOOD |
| | |
| | |

| OVERALL SCORE | STRONG | | | ADEQUATE | | | IMPROVEMENT NEEDED | | |
|---|---|---|---|---|---|---|---|---|---|
| | 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 |

Comments by Assessor (COMPULSORY):
- MORE LEARNING ABOUT AIR COMPRESSOR SYSTEM.

| | | | |
|---|---|---|---|
| Signature | | Assessment Date | 29/4/2025 |
| Name | HENIEKEN | Position | S. MECH |

# CONTROL PANEL

| THEORY | COMMENT |
|---|---|
| 1. Identify the Portable Control Panel and explain its function ✓ | |
| 2. Show where the following components allocated at Air Compressor and explain the function | |
| i. Air Isolator ✓ | He can recognize the component & explain the function well. |
| ii. Pressure Reducing Valve for TRSCSSV & SDV ✓ | |
| iii. Pressure Reducing Valve for BOP ✓ | |
| iv. TRSCSSV Isolator Valve ✓ | |
| v. SDV Isolator Valve ✓ | |
| vi. Emergency Isolator Valve ✓ | |
| vii. 2 Way BOP Control Panel ✓ | |
| viii. Stuffing Box Isolator Valve ✓ | |
| ix. Accumulator Tank ✓ | |
| x. Hand Pump ✓ | |
| xi. Map & Pressure Manifold to be installed at Control Panel & X-mas Tree ✓ | |
| xii. Air Operated Pump ✓ | |
| 3. Explain how to open Control Panel - TRSCSSV, SDV, BOP, Accumulator Tank and Stuffing Box ✓ | Good understanding & need abit guidance. |
| 4. What should you check BEFORE you start the Control Panel (show the Start-up Maintenance Checklist and explain the requirement) ✓ | |
| 5. What are the safety precaution to be alert with while operating Control Panel ✓ | |
| 7. Why contaminated water should be drained from Air Hose before starting the Control Panel? ✓ | |
| **Practical** | |
| 1. How to carry-out following basic maintenance | |
| i. Protect bolt, nut, fittings etc with Denso Tape (Grease Tape) ✓ | Good practical activities by him. |
| ii. Re-tighten bolt and nut ✓ | |
| iii. Caring of pressure gauge ✓ | |
| iv. Service Air Operated Pump Exhaust ✓ | |
| v. Check Hydraulic Oil Level and fill-up if necessary ✓ | |
| vi. Release contaminated water form Air Isolator ✓ | |
| vii. Release pressure in system upon completed job ✓ | |
| viii. Take out ¼" Snap Tite from Control Panel and service ✓ | |
| ix. Pressure Manifold to be installed at Control Panel ✓ | |
| | |
| 2. Show how to hook-up ¼" Hydraulic Hose to the following: | |
| i. Pressure Manifold / TRSCSSV ✓ | |
| ii. Stuffing box ✓ | |
| iii. BOP ✓ | |
| 3. Perform Pre & Post Job Check (use Pre & Post Job Check List) ✓ | |

| OVERALL SCORE | STRONG | | | ADEQUATE | | | IMPROVEMENT NEEDED | | |
|---|---|---|---|---|---|---|---|---|---|
| | 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 |

| Comments by Assessor (COMPULSORY): | | | |
|---|---|---|---|
| - He knows & understand how to operate the Control panel with a bit guide by senior. | | | |
| Signature | | Assessment Date | 30/05/2025 |
| Name | SYAIFUL BIN SIDEK<br>Senior PCE Specialist<br>Dimension Bid (M) Sdn Bhd<br>Labuan Warehouse<br>Slickline Services | Position | Snr. PCE Specialist. |

# HIGH PRESSURE TEST PUMP

| THEORY | COMMENT |
|---|---|
| 1. Identify the High Pressure Test Pump and explain its function | ✓ |
| 2. Show where the following components allocated at Air Compressor and explain the function | |
| i. Air Isolator ✓ | Good understanding by him. |
| ii. Pressure Isolator Valve ✓ | |
| iii. Dump Valve ✓ | |
| iv. Low Pressure Air Operated Pump ✓ | |
| v. High Pressure Air Operated Pump ✓ | |
| vi. Outlet Pressure Line ✓ | |
| 3. Explain how to operate Test Pump ✓ | He know the PTU system. |
| 4. What is the Working Pressure for Test Pump? ✓ | |
| 5. What should you check BEFORE you start the Test Pump (Show the Start-Up Maintenance Checklist and understand the requirement) ✓ | |
| 6. What are the safety precaution to be alert with while operating Test Pump? ✓ | |
| 5. Why the system should be flushed with Hydraulic Oil? ✓ | |
| **Practical** | |
| 1. Show how to carry-out following basic maintenance | Good practical exercise by him. |
| i. Protect bolt, nut, fittings etc with Denso Tape (Grease Tape) ✓ | |
| ii. Re-tighten bolt and nut ✓ | |
| iii. Caring of pressure gauge ✓ | |
| iv. Check Water Level and fill-up if necessary ✓ | |
| v. Release contaminated water from Air Isolator ✓ | |
| vi. Release pressure in system upon completed job ✓ | |
| vii. Flush the system with Hydraulic Oil ✓ | |
| 2. Perform pressure test against 3 sections lubricator ✓ | |
| 3. Perform Pre & Post Job Check (use Pre & Post Job Check List) ✓ | |

| OVERALL SCORE | STRONG | | | ADEQUATE | | | IMPROVEMENT NEEDED | | |
|---|---|---|---|---|---|---|---|---|---|
| | 10 | 9 | (8) | 7 | 6 | 5 | 4 | 3 | 2 |

Comments by Assessor (COMPULSORY):

- He understand how to operate PTU, and the system works.

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|---|---|---|---|
| Signature | | Assessment Date | 20/04/2025 |
| Name | SYAIFUL BIN SIDEK<br>Senior PCE Specialist<br>Dimension Bid (M) Sdn Bhd<br>Labuan Warehouse<br>Slickline Services | Position | Snr. PCE Specialist. |