

**VOCATIONAL TRAINING AUTHORITY ZANZIBAR**

**RECOGNITION FOR PRIOR LEARNING (RPL)**

***COMPETENCE CHECK LIST FOR MOTOR VEHICLE MECHANICS***

***USING SUPPORTING MODULES, MODULES OF EMPLOYABLE SKILLS (MES) AND MANAGERIAL SKILL MODULES***

**PART I**

**PARTICULARS OF CANDIDATE**

**NAME OF CANDIDATE …………………………………………………….. SEX …….…… AGE………**

**LEVEL OF EDUCATION………. …………………YEARS ON THE JOB TRAINING ……..……….**

**NAME OF THE COMPANY/GARAGE/WORKSHOP ………………………………………………..……...**

**SHEHIA …………………………..…… AREA …………………………… DISTRICT …………….……...**

**REGION ………….………………………… POSTAL ADDRESS ………………….…………….………….**

**TELEPHONE (1) MOBILE NO.: …………………….………………………………………...………………**

**(2) LANDLINE NO.…………………………… E-mail ………………………………………**

**WORK EXPERIENCE**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S/N** | **COMPANY/GARAGE/WORKSHOP** | **WORK DONE REGULARLY** | **FROM** | **TO** |
| **1.** |  |  |  |  |
| **2.** |  |  |  |  |
| **3.** |  |  |  |  |
| **4.** |  |  |  |  |
| **5.** |  |  |  |  |
| **6.** |  |  |  |  |
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**PART II**

**MODULE SUMARRY**

**PUT (√) THE FOLLOWING MODULES TO DECLARE YOUR SPECIALIZATION**

|  |  |  |  |
| --- | --- | --- | --- |
| **SPECIFIC MODULES** | | **SELECTION** | |
| **I CAN DO** | **I CAN’T DO** |
| 1. | Maintaining safety of workshop and surroundings |  |  |
| 2. | Maintaining workshop tools, equipment and machines. |  |  |
| 3. | Performing bench works. |  |  |
| 4. | Performing welding processes |  |  |
| 5. | Carrying out general vehicle Services. |  |  |
| 6. | Servicing electrical and electronic circuits |  |  |
| 7. | Carrying out engine maintenance |  |  |
| 8. | Servicing wheels and Tires. |  |  |
| 9. | Overhauling engines. |  |  |
| 10 | Servicing fuel systems |  |  |
| 11 | Maintaining emission control system |  |  |
| 12 | Servicing ignition system. |  |  |
| 13 | Servicing transmission system. |  |  |
| 14 | Servicing steering system. |  |  |
| 15 | Repairing brakes. |  |  |
| 16 | Repairing suspension system. |  |  |
| 17 | Servicing hydraulic systems. |  |  |
| 18 | Servicing heating and air conditioning systems. |  |  |
| 19 | Performing lathe machine operations. |  |  |
| 20 | Servicing fuel injection systems. |  |  |
| 21 | Servicing electrical components. |  |  |
| 22 | Service automatic transmission |  |  |
| 23 | Maintaining engine management systems |  |  |
| 24 | Managing safe work environment. |  |  |
| 25 | Managing preventive maintenance. |  |  |
| 26 | Managing workshop activities. |  |  |

**PART III:**

**DETAILED COMPETANCE CHECK LIST**

1. **SUPPORTING MODULES FOR EMPLOYABLE SKILLS**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **MODULE CODE** | **SUPPORTING MODULES FOR EMPLOYABLE SKILLS** | **RELATED TASKS** | **CANDIDATE SELF ASSESSMENT** | | **THIRD PARTY CONFIRMATION** | |
| **CAN DO** | **CANT DO** | **YES** | **NO** |
| MVM 101. | Maintaining safety of workshop and surroundings | Maintaining workshop safety |  |  |  |  |
| Preventing incidents and accidents |  |  |  |  |
| Preventing fire accidents |  |  |  |  |
| Performing first aid |  |  |  |  |
| MVM 102 | Maintaining workshop tools, equipment and machines. | Maintaining workshop tools |  |  |  |  |
| Maintaining workshop equipment |  |  |  |  |
| Maintaining machines |  |  |  |  |
| MVM 103 | Performing bench works. | Performing measuring |  |  |  |  |
| Performing filing |  |  |  |  |
| Performing cutting |  |  |  |  |
| Performing chiselling |  |  |  |  |
| Performing shearing |  |  |  |  |
| Performing bending |  |  |  |  |
| Performing punching and stamping |  |  |  |  |
| Performing drilling |  |  |  |  |
| Performing riveting |  |  |  |  |
| Performing bearing mounting/removing |  |  |  |  |

1. **MODULES OF EMPLOYABLE SKILLS**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **MODULE CODE** | **SUPPORTING MODULES FOR EMPLOYABLE SKILL** | **RELATED TASKS** | **CANDIDATE SELF ASSESSMENT** | | **THIRD PARTY CONFIRMATION** | |
| **CAN DO** | **CANT DO** | **YES** | **NO** |
| MVM 104. | Performing welding processes | Performing arc welding |  |  |  |  |
| Performing gas welding |  |  |  |  |
| Performing soldering |  |  |  |  |
| MVM 105 | Carrying out general vehicle Services. | Servicing engine lubrication systems |  |  |  |  |
| Servicing fuel systems |  |  |  |  |
| Servicing cooling systems |  |  |  |  |
| Servicing transmission systems |  |  |  |  |
| Performing greasing |  |  |  |  |
| Maintaining batteries |  |  |  |  |
| MVM 106 | Servicing electrical and electronic circuits | Building electrical circuits |  |  |  |  |
| Building electronic circuits |  |  |  |  |
| Carrying out electrical circuits maintenance |  |  |  |  |
| Carrying out electronic circuits maintenance |  |  |  |  |
| MVM 107. | Carrying out engine maintenance | Performing engine non destruction tests |  |  |  |  |
| Adjusting valve clearance |  |  |  |  |
| Carrying out ignition timing |  |  |  |  |
| MVM 108 | Servicing wheels and Tires. | Replacing tyres |  |  |  |  |
| Repairing tube and tubeless tyres |  |  |  |  |
| Performing wheel balancing |  |  |  |  |
| Servicing wheel hubs |  |  |  |  |
| MVM 201 | Overhauling engines. | Dismantling engines |  |  |  |  |
| Servicing cylinder heads |  |  |  |  |
| Performing cylinder block measurements |  |  |  |  |
| Performing crankshaft measurements |  |  |  |  |
| Performing camshaft measurement. |  |  |  |  |
| Checking connecting rods |  |  |  |  |
| Checking piston wear |  |  |  |  |
| Assembling engines |  |  |  |  |
| MVM 202 | Servicing fuel systems. | Servicing petrol fuel systems |  |  |  |  |
| Servicing natural gas fuel systems |  |  |  |  |
| Servicing diesel fuel system |  |  |  |  |
| MVM 203 | Maintaining emission control system | Servicing catalytic converter |  |  |  |  |
| Servicing oxygen sensor |  |  |  |  |
| Repairing muffler and pipes |  |  |  |  |
| MVM 204 | Servicing ignition system. | Servicing conventional ignition system |  |  |  |  |
| Servicing electronic ignition systems |  |  |  |  |
| MVM 205 | Servicing transmission system. | Servicing clutches |  |  |  |  |
| Overhauling manual gearboxes |  |  |  |  |
| |  | | --- | | Servicing final drive unit | |  |  |  |  |
| Servicing automatic transmissions |  |  |  |  |
| MVM 206 | Servicing steering system. | Performing wheel alignment |  |  |  |  |
| Servicing steering boxes |  |  |  |  |
| Servicing power steering systems |  |  |  |  |
| MVM 207 | Repairing brakes. | Servicing hydraulic brakes |  |  |  |  |
| Servicing pneumatic brake systems |  |  |  |  |
| MVM 208 | Repairing suspension system. | Servicing solid axle suspension systems |  |  |  |  |
| Servicing independent suspension systems |  |  |  |  |
| Trouble-shooting electronic suspension |  |  |  |  |
| MVM 209 | Servicing hydraulic systems. | Repairing hydraulic pipes |  |  |  |  |
| |  | | --- | | Servicing hydraulic actuators | |  |  |  |  |
| MVM 210 | Servicing heating and air conditioning systems. | Servicing heating systems |  |  |  |  |
| Servicing air conditioning system components |  |  |  |  |
| MVM 211 | Performing lathe machine operations. | Performing turning |  |  |  |  |
| Performing thread cutting |  |  |  |  |
| Performing boring |  |  |  |  |
| MVM 301 | Servicing fuel injection systems. | Servicing electronic controlled  gasoline injection components |  |  |  |  |
| Carrying out on board diagnosis. (OBD) |  |  |  |  |
| MVM 302 | Servicing electrical components. | Servicing starter motor |  |  |  |  |
| Servicing alternators |  |  |  |  |
| MVM 303 | Service automatic transmission | Trouble shooting engine faults |  |  |  |  |
| Performing engine tune-up |  |  |  |  |
| Preforming OBD |  |  |  |  |
| MVM 304 | Maintain engine management systems. | Trouble shooting engine faults. |  |  |  |  |
| Performing engine tune-up. |  |  |  |  |
| Performing OBD |  |  |  |  |

1. **MANAGEMENT SKILL MODULES**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **MODULE CODE** | **SUPPORTING MODULES FOR EMPLOYABLE SKILLS** | **RELATED TASKS** | **CANDIDATE SELF ASSESSMENT** | | **THIRD PARTY CONFIRMATION** | |
| **CAN DO** | **CANT DO** | **YES** | **NO** |
| MVM 305 | Managing safe work environment. | Managing hazard |  |  |  |  |
| Carrying out risk assessment |  |  |  |  |
| Managing environmental |  |  |  |  |
| MVM 306 | Managing preventive maintenance. | Planning preventive maintenance. |  |  |  |  |
| Supervising preventive maintenance. |  |  |  |  |
| MVM 307 | Managing work shop activities. | Designing motor vehicle work shop layout. |  |  |  |  |
| Controlling tools and equipment |  |  |  |  |
| Estimating material and labour cost. |  |  |  |  |
| Training sub-ordinates. |  |  |  |  |
| Preparing reports. |  |  |  |  |
| Managing work shop business. |  |  |  |  |

**RPL Facilitator Comments:**

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Name of facilitator: ..…………………………………….…….. Signature: ……………….…... Date: …………………..……

Name of candidate: ..…………………………………….…….. Signature: ……………….…... Date: …………………..……

Name of third party: …………………………………………... Signature: ……….……………. Date: …………………………..