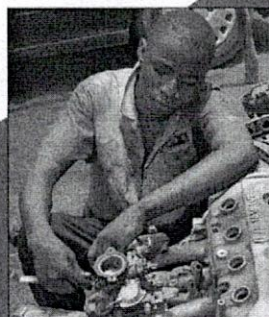
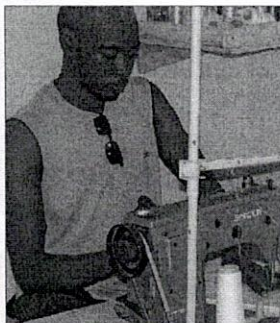
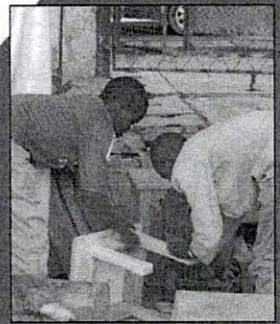
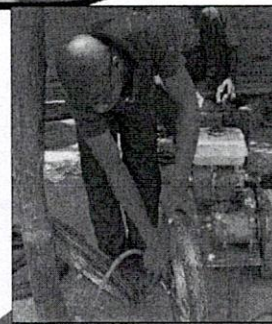
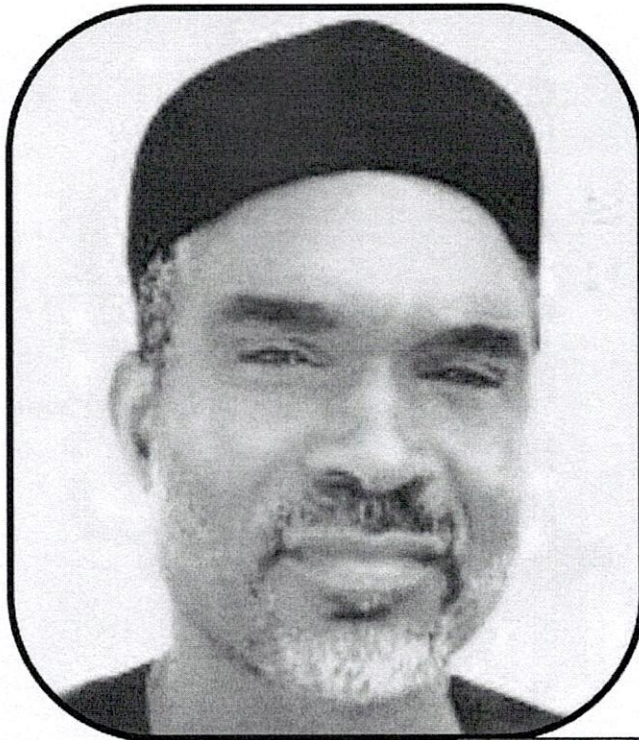
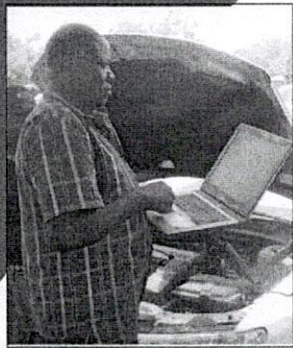


# ADAMAWA STATE GRASSROOTS SOCIO-ECONOMIC EMPOWERMENT PROGRAMME (GRSEEP) LOCAL APPRENTICESHIP SCHEME (LAS)



# MOTOR VEHICLE MECHANIC (PETROL)

## GRADE III TRADE TEST

### Trainee/apprentice must:

1. Be able to use and read a metric rule.
2. Know the proper use of tools and be able to keep them good condition.
3. Know the working principles of I.C, engine and the vehicle layout.
4. Be able to decarbonizes engine and grind valves
5. Understand the use of split pins and other forms of locking devices used in the motor vehicle.
6. Be able to fit and adjust all chassis components.
7. Be able to check and set ignition timing, clean and set contact breaker points and sparking plugs.
8. Be able to fix fan belt and adjust valve clearances.
9. Be able to reline brakes, adjust balance mechanically operated brakes.
10. Have a fair knowledge of the fuel system of petrol engines.
11. Be able to mend tyre punctures and use tyre pressure guage.
12. Be able to fabricate simple brackets
13. Be able to set the firing orders of 4,6, and 8 cylinder engine.
14. Be able to use a battery charger and maintain battery in good condition.
15. Be able to read lubrication charts and to service any motor vehicle correctly.
16. Be able to test the strength of the battery using hydrometer and high rate discharge meter.

17. Be able to replace fuses, bulbs and clear a jammed starter
18. Be able to align and adjust headlamps.
19. Be able to correct wheel alignments and balance wheels.
20. Have a good knowledge of simple safety precautions in the workshop.

## PETROL MOTOR VEHICLE MECHANIC

### (COMMUNICATION PROCEDURES)

- The trainee/apprentice should understand the lay down workshop procedures in the first stage while assuming duty, e.g. dos and don't
- The trainee/apprentice should understand the rules and regulation in the workshop, e.g reporting time and closing time.
- The trainee/apprentice should know the terms and terminologies in motor vehicle mechanic petrol, e.g. support, jerking, loosening of nuts, greasing and tying.
- The trainee/apprentice should be taught on workshop safety procedures, e.g safe act and unsafe act.
- The trainee/apprentice should be taught on safe act and unsafe act while in the workshop, e.g. using right tools for a light job, dull tools should not be use in the workshop.
- The trainee/apprentice should know the safety aspect of handing tools while carrying out job on petrol vehicle, e.g. ranges screw driver, meters, thermometers, hammers and testers.
- The trainee/apprentice should be expose to the basic concept of workshop communication, e.g. use of familiar language, workshop language and community language.
- The trainee/apprentice should follow the hierarchy on leadership while communication in the workshop, e.g. reporting pattern, requesting pattern and ordering pattern.
- The trainee/apprentice should not charge themselves in horse playing, e.g. running, throwing of tools any how and running in between machines and parked vehicles.

- The trainee/apprentice should record their progress of work on weekly bases e.g. using log book or register.