

DUTY E
Tasks

Operate skid steer loader

- E.1 Clear site 2
- E.2 Load materials 2
- E.3 Level stock piled materials 2
- E.4 Grade materials 2
- E.5 Backfill materials 2
- E.6 Load truck/trailers 2
- E.7 Spread stock pile material 2
- E.8 Grade area 2

DUTY F
Tasks

Perform preventative maintenance

- F.1 Change lubrication & power systems reservoirs, oil and filters 1,2
- F.2 Replace fuel filter & bleed fuel system 1,2
- F.3 Clean & flush radiator 1,2
- F.4 Service storage battery 1,2
- F.5 Replace light bulbs 1,2
- F.6 Replace defective hoses 1,2
- F.7 Adjust fan belt 1,2
- F.8 Clean equipment 1,2



**BARBADOS
VOCATIONAL
TRAINING
BOARD**

SKILLS TRAINING PROGRAMME
in



**BACKHOE AND SKID STEER
LOADER OPERATIONS AND
PREVENTATIVE MAINTENANCE**

BARBADOS VOCATIONAL TRAINING BOARD
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Backhoe and Skid Steer Loader Operations and Preventative Maintenance

On completion of training, the trainee will be able to:

1. Drive heavy duty (backhoe and skid steer) to satisfy the requirements of the Barbados Licensing Authority and the manufacturer's specifications for the equipment.
2. Operate heavy equipment (backhoe and skid steer) to prepare worksites for construction purposes to the requirements of the construction industry and the manufacturers of the equipment.
3. Perform preventative maintenance on heavy equipment (backhoe and skid steer) used in the construction industry to prepare worksites for construction purposes.

The programme is three (3) months in duration.

Persons admitted to the programme will receive practical training consisting of:

- Driving the backhoe and skid steer loaders,
- Performing preventative maintenance on the cooling, fuel, intake and exhaust, steering, engine lubrication, electrical and hydraulic systems, and attachments to backhoe and skid steer loaders.
- Excavating a building site,
- Loading trucks and,
- Leveling and grading a worksite using the backhoe and skid steer loaders in compliance with the requirements as set out in the work order.

Trainees must be eighteen (18) years and older.

OCCUPATIONAL/SKILLS PROFILE—WELDING

DUTY A Tasks

Perform pre-operations equipment checks

- A.1 Dress in protective clothing 1,2
- A.2 Inspect cutting edges/bucket teeth 1,2
- A.3 Service equipment reservoirs 1,2
- A.4 Check hydraulic and air systems for leaks 1,2
- A.5 Service cab and mirrors 1,2
- A.6 Check tires and rims 1,2
- A.7 Grease nipples and pivot joints 1,2

DUTY B Tasks

Start up/drive/shut down equipment

- B.1 Start engine 1,2
- B.2 Re-check oil reservoirs 1,2
- B.3 Test control systems 1,2
- B.4 Re-check hydraulic systems for leaks 1,2
- B.5 Engage drives 1,2
- B.6 Forward drive equipment 1,2
- B.7 Reverse equipment 1,2
- B.8 Park wheel type equipment 1,2
- B.9 Perform after service visual inspection 1,2
- B.10 Close equipment operation

DUTY C Tasks

Perform operator's pre-operation functions

- C.1 Interpret site plans 1,2
- C.2 Locate and interpret warning signage 1,2
- C.3 Verify clearance in work area 1,2
- C.4 Locate buried utility services 1,2

DUTY D Tasks

Operate backhoe loader

- D.1 Clear site 1
- D.2 Load materials 1
- D.3 Level stock piled materials 1
- D.4 Grade materials 1
- D.5 Cut trenches 1
- D.6 Backfill materials 1
- D.7 Remove and install attachments 1
- D.8 Cut rocks 1
- D.9 Drill holes