



Registered SCIO SC049120

Plate Compactor Operating Guidance TPG GN6.0

Overview:

A petrol-powered plate compactor is used by TPG for compacting crushed rock, sub-base and quarry dust in preparing and surfacing the paths.

The machine is heavy, but it also vibrates and is noisy, so care and awareness of the operational risks is required. However, it is a very safe machine to use.

Familiarising Yourself with the Plate Compactor

1. General Specifications:

Single cylinder, 4-stroke engine

Fuel capacity 1.2L

Weight 38kg

Compaction force 10kN

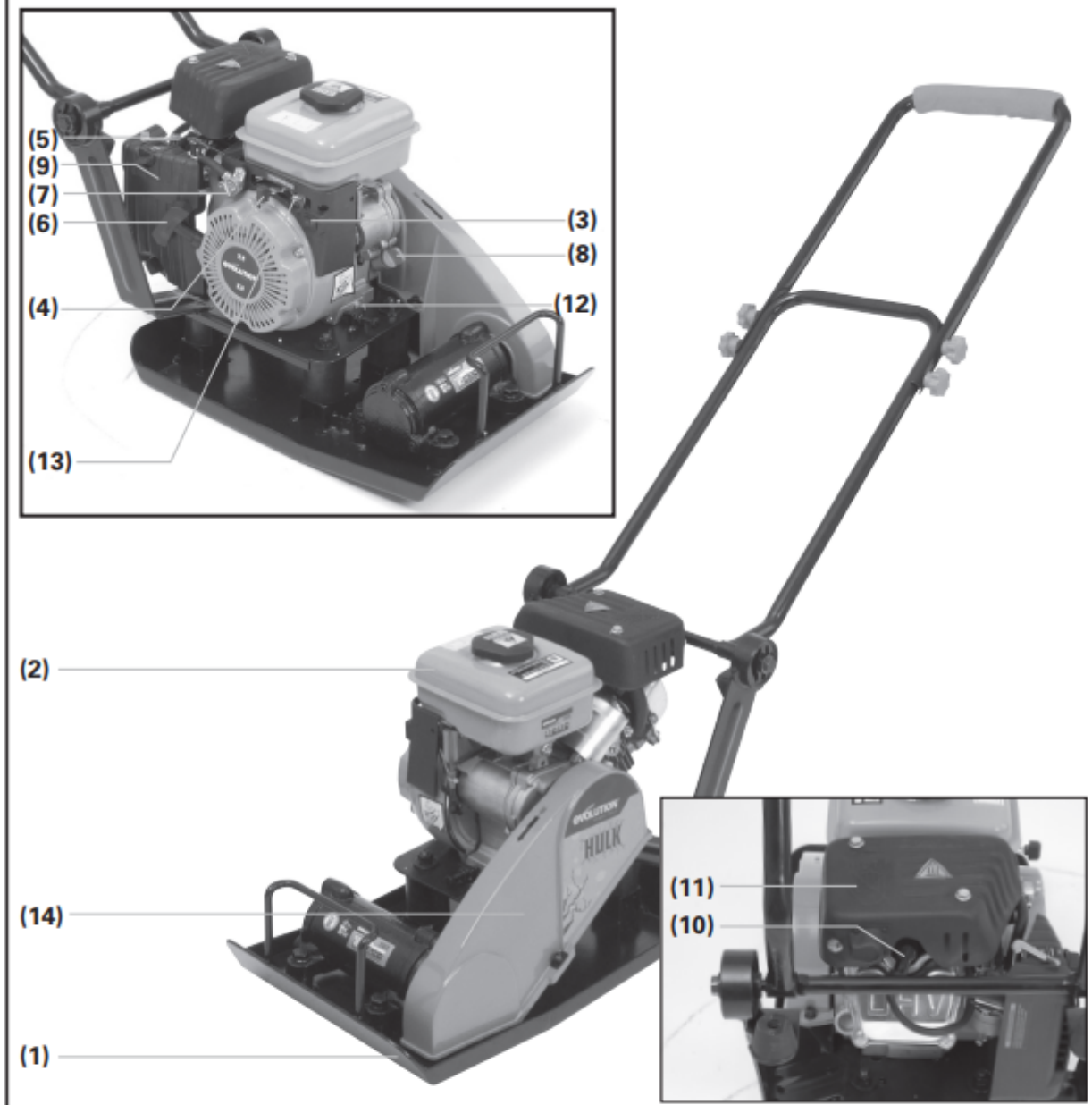
Max recommended usage time: 20 minutes

Sound level >100dB

2. PPE Requirements

- Ear Defenders (>30dB SNR)
- Eye Protection
- Work gloves (preferably padded palm for comfort)
- Dust mask, when required

MACHINE OVERVIEW HULK PETROL



1. VIBRATION PLATE

2. FUEL TANK

3. ENGINE 'ON/OFF' IGNITION SWITCH

4. THROTTLE LEVER

5. CHOKE CONTROL

6. RECOIL STARTER

7. FUEL TAP

8. ENGINE OIL FILLER/DIPSTICK

9. AIR FILTER

10. SPARK PLUG

11. EXHAUST

12. ENGINE OIL DRAIN PLUG

13. FAST RUN ADJUSTMENT SCREW

14. BELT GUARD

Pre-Operating Checks:

Note: Before each operation the machine should be inspected to ensure that all safety features etc, are working correctly.

- Check that all safety guards are in position and undamaged.
- Check all fuel hoses, unions and filler caps etc for signs of fluid leakage. Any leak detected must be repaired before operations commence.
- Check the engine oil level and adjust as necessary.
- Check the fuel level and top up as necessary. Take care not to spill any fuel onto the ground.
- Thoroughly inspect the rest of the machine for any form of damage particularly to covers, guards, rubber components etc.

Starting the Hulk Engine

- Turn the fuel tap lever to the 'On' position.
- Set the choke lever to the 'Choke On' position.
- Press the engine ignition rocker switch to the 'ON' (I) position.
- Set the throttle lever to maximum. Note: The throttle can normally be left in this position at all times.
- Steady the Hulk by holding the operating handle at a convenient point.
- Use your other hand to grip the recoil starter cord handle.
- Pull the recoil starter cord slowly until resistance is felt indicating that the starter is engaged.
- When resistance is felt pull the cord sharply.
- Continue this procedure until the engine starts.
- Allow the engine to achieve operating temperature.
- Usually the choke can be returned to the 'off' (run) position almost immediately when the engine fires up, but this will depend upon ambient temperatures, operating conditions etc. and operator discretion will be required

General Operating Advice

- Ensure that bystanders are kept at a safe distance from compacting operations. If necessary cordon off the work area and post WARNING notices.
- Be aware that people near the operation may not have the relevant PPE (particularly ear defenders). No one should not be closer than 10m without PPE. Should anyone be closer, delay operations until the area is clear.
- Plan your work, and the path you intend the machine to travel, before you start compacting operations.

- Survey the working area before you begin and remove or otherwise neutralise any obstructions/obstacles that could pose a danger.
- The smoother and more even the material is prior to compaction, the better the result will be. Any lumps and bumps will be compacted, but not smoothed out. Preparation prior to compaction is key.
- Ensure you have all the correct PPE and know how to use it.
- The compactor may travel forwards under its own power. Inputs from the operator on the machines handle are necessary to 'steer' the machine. The operator should hold the antivibration handle grip with both hands, and the hands should be positioned as far apart as possible.
- Several passes over the work area may be required to compact the material to the desired density.
- If the work area is sloped, work up and down the sloping surface (as much as possible), not across.

Stopping your Hulk Petrol Engine

- Bring the throttle level back to idle the engine.
- Press the engine ignition rocker switch to the 'OFF' (0) position.
- Close the fuel valve.

Transport:

- Before transporting the machine, ensure that it has cooled sufficiently to make it safe to handle, paying particular attention to the exhaust.
- Take care lifting the machine, as it is heavy and awkward. Plan the lift so as not to stretch, keeping the load close to your body.
- Ensure that any fuel canister is kept a safe distance from the machine during operations and transport.

Trainer Name & Sig.		
Trainee Name	Training date	Trainee Signature