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0111

Vibrating roller - diesel



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STARTING THE ENGINE (...continued)

- Grasp the starting handle firmly in one hand – but do not wrap your thumb around the handle. Keep it on the same side as your fingers – this is very important. You thumb could be broken if you wrap it around the handle, and the engine kicks back.
- Crank the engine strongly before lowering the decompression lever smoothly. The engine should fire up. If it doesn't, go through the steps again from instruction 7 above.
- If the engine is now running, slide the handle off the shaft.
- If you let go of the handle when the engine fires up, do not try to grab it. Stop the engine using the stop control. Then start the engine again.
- Never stop the engine using the decompression lever. This may damage the engine and will be regarded as misuse by the hire company. Only use the proper RUN/STOP control.

USING THE VIBRATING ROLLER

- Wear your protective equipment including safety boots and gloves. Always keep your hands, feet and clothing away from moving parts of the roller.
- Hold the handlebars of the vibrating roller firmly with two hands before pulling the control lever in – the steering arm may move unexpectedly as the drive is taken up.
- This roller can be turned and maneuvered easily using the engine to

drive it forwards and backwards. Take care not to strain yourself by trying to move it with the drum or engine stopped.

- Check that there are no obstructions behind you before you drive the roller in reverse. Release the control lever straight away if you need to stop.
- Make sure that any support jack has been retracted before you start work.
- If your roller has a water sprinkler system, use it to help prevent the compacted surface sticking to the drum.
- Watch out for signs that vibration may be affecting your hands. If your fingers start to tingle or feel numb, take a short break from using the roller. Exercise your fingers to encourage blood circulation.
- To help prevent vibration affecting your hands, operate the roller for shorter period. Keep your hands warm, -wearing gloves may help do this.
- Do not operate the vibrating action on very hard surfaces such as concrete or frozen ground.
- If an obstruction becomes jammed in the drum scraper, or something gets tangled in the drive mechanism, you must stop the engine before you clear it.
- Stop the engine if leaving the machine unattended.
- If your equipment does not work properly do not attempt to repair it. Contact the hire company.

Please keep this leaflet safely as it may be required for future reference



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(continued overleaf...)

- This section describes the starting procedure for most diesel-engined vibrating rollers. If the hire company has given you special instructions, follow them. Otherwise, follow the instructions given below.
- Your engine may have a low oil warning system that will prevent the engine starting if the oil level is too low, or if the machine is on too great a slope. Check the oil level before you try to start the engine. Do not use the roller on slopes that are too steep.
- Move the STOP control to the RUN position.
- Check that the throttle lever is in the IDLE position.
- Do not wear gloves when you start the engine. Also, make sure that you have no loose clothing or flapping sleeves that could get caught.
- Fit the starting handle to the shaft, and check by turning it anti-clockwise that the ratchet mechanism works. Check also that the handle slides on and off the shaft easily.
- Move the decompression valve lever into the decompression position.
- If the engine is fitted with a cold start button, press it in when starting from cold.
- If you spill any fuel on your clothes, up or cover it with soil.
- If you spill any fuel on the ground, wipe it of fuel soaked cloth carefully.
- Wipe any fuel off the machine. Dispose change them straight away.
- Put all fuel caps back on properly, and move your fuel can to a safe, cool place.

STARTING THE ENGINE

- The throttle lever will be mounted on the steering arm by the hand controls. It will have an apposition for IDLE and another position for RUN. The throttle should be in the idle position for starting, but you will need to move it to the run position to drive the roller backwards or forwards.
- On some machines, the throttle also controls the vibration action, with a third position for VIBRATION. Other machines may have a separate control to switch the vibration on.
- Forward and reverse movement of the roller is controlled by the two levers by the handlebars. Pull in the FORWARD lever to drive the machine forwards. When you release the lever, the machine will stop moving. Use the REVERSE lever to drive backwards.
- REFUELLING**
1. No smoking.
2. Stop the engine and let it cool down.
3. If possible move the machine away from your work area.
4. Check that you know which is the diesel tank as your machine may also have a water tank.
5. Clean the filler cap and the area around it to prevent dirt falling into the fuel tank.
6. Use a funnel and clean diesel when refuelling. Do not spill any fuel on yourself or the machine.



Before Starting Work...

Useful Reference Points • www.hae.org.uk/businessguard

Vibrating Roller

The rules and procedures in force where people are at work may require the person responsible for this equipment to carry out a specific risk assessment.

It is important to read this entire leaflet BEFORE using the Vibrating Roller



- Plan your work and think ahead to make sure you will always be working safely.
- Diesel is highly flammable. Take care not to cause a fire or explosion.
- This vibrating roller is designed to compact crushed hardcore, backfill, asphalt and other road surfacing materials on level surfaces or gently slopes.
- The action of this vibrating roller can cause injury or damage if the machine is not used in a careful and controlled way.
- If you have not used a vibrating roller before, familiarize yourself with the machine on some straightforward work before you start on the main task.
- You must have at least the following items of personal protection equipment: ear muffs or plugs giving protection for levels up to 96 dB(A); safety boots to EN345 or BS1870/4972; gloves.
- This machine must not be used by minors, or by anyone under the influence of drugs or alcohol.
- This vibrating roller is designed for operation by an able bodied adult. Anyone with either temporary or permanent disability must seek expert advice before using it.



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- Do not use this machine where there is a danger of explosion. It will ignite fumes from petrol, or gas cylinders.
- To reduce the risk of serious or fatal injury from breathing toxic fumes, never run the vibrating roller indoors or in poorly ventilated locations.
- Make sure that the area is clear and safe and that no-one is near to you or could distract you.
- Protect other people from the noise and damaged – contact the hire company at suitable height for you, and that the steering arm lock has been locked after any adjustment.
- Your roller may have a water sprinkler system to help prevent the compacted surface sticking to the drum. Top up the roller does have a water tank, ensure you know which tank is for water and which is for diesel fuel.
- The following items of personal protective equipment (ppe) are the minimum that should be worn whenever you use this machine. Particular jobs or environments may require a higher level of protection.
- This equipment is likely to cause noise levels up to 96 dB(A) – wear appropriate ear muffs or plugs giving hearing protection for this level as a minimum.
- BS1870/4972.
- Make sure you have no loose or flapping clothing, or long hair, that could get caught in the roller.
- Anybody who is working near to you will also need to wear appropriate personal protective equipment.

WORK AREA

OPERATORS

CONTROLS

- Check your machine, engine, and all equipment. Do not use anything found damaged – contact the hire company at suitable height for you, and that the steering arm lock has been locked after any adjustment.
- Your roller may have a water sprinkler system to help prevent the compacted surface sticking to the drum. Top up the roller does have a water tank, ensure you know which tank is for water and which is for diesel fuel.
- The following items of personal protective equipment (ppe) are the minimum that should be worn whenever you use this machine. Particular jobs or environments may require a higher level of protection.
- This equipment is likely to cause noise levels up to 96 dB(A) – wear appropriate ear muffs or plugs giving hearing protection for this level as a minimum.
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