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GV Plant Hire Ltd

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Ride on 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 all of this leaflet BEFORE you use the Ride on Roller

1. Plan work and think ahead to ensure work will always be carried out safely.
2. Diesel fuel is highly flammable. Take care not cause a fire or explosion.
3. The ride-on roller is designed for compacting bituminous road surfaces - such as asphalt or road sub-bases. This includes compacting hardcore and backfill. It must not be used for any other purpose.
4. The roller can be used on level surfaces or gentle slopes. It should not be used on any other surfaces.
5. The action of the ride-on roller can cause injury or damage or both if the equipment is not used in a careful and controlled way.
6. Do not drive the ride-on roller unless you have previous experience or have had a course of instruction from a responsible body. Drivers of this vehicle should have at least a current site safety awareness certificate.
7. A Certificate of Training Achievement (CTA) for Construction Plant Operators is required on most construction sites. Training to achieve a CTA is available from CITB appointed bodies.
8. Do not attempt to load or unload the machine from a truck or trailer unless fully experienced in doing so.
9. The following items of personal protective equipment is the minimum required: Ear Muffs or plugs giving protection at the ear of levels up to 85dB(A); safety helmet; safety boots; dust mask - minimum ffp2 protection; high visibility vest or similar reflective garment.
10. The ride-on roller must not be used by minors or by anyone under the influence of drugs or alcohol.
11. The roller is designed for operation by an able bodied adult. Anyone with either a temporary or permanent disability must seek expert advice before using the machine.

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For more information on health and safety in construction go to www.hse.gov.uk/construction/

WORK AREA

1. Do not use the machine where there is a danger of explosion. It will ignite fumes from petrol or gas cylinders.
2. To reduce the risk of serious or fatal injury from breathing toxic fumes do not use the roller indoors unless the area is well ventilated. Ensure there is proper ventilation when working in any other confined areas.
3. Ensure the area is clear and safe and there is no-one closeby who could cause distraction.
4. Never operate on any public road or highway unless the machine is insured and complies with road traffic regulations. In addition, the operator must have an appropriate driving licence.
5. Check the work area for soft ground, slopes, holes and trenches. Ensure there are no low tree branches, scaffolding or anything else that may cause a hazard.
6. Keep well away from any overhead power lines unless they are at least 5m (16ft) above the highest part of the roller. The highest part is probably the top of the roll-over protection fitted to the roller. Do not forget that high-voltage electricity can jump across large gaps.
7. If the work area is complex or noisy, always work with a banksman.

OPERATORS

1. The following items of personal protective equipment (PPE) are the minimum that should be worn whenever using the skip loader. Particular jobs or environment may require a higher level of protection.
2. The equipment is likely to cause noise levels up to 85 dB(A) – wear appropriate ear muffs or plugs giving hearing protection for this level for long periods.
3. A safety helmet must be worn when using the machine on a construction site.
4. Safety Boots must be worn when working with the roller.
5. A reflective vest or similar high visibility garment must be worn when working with the roller.
6. An appropriate dust mask must be worn that meets the minimum standard of protection.
7. Anyone who is working near the small dumper will also need to wear the appropriate personal protective equipment.

RIDE ON ROLLER

1. Check the ride-on roller thoroughly including the engine and all equipment. Do not use anything found to be damaged – contact the hire company.
2. Ensure you understand all of the controls. Before starting the roller - know how to stop it.
3. Check the roller each time it is used. It will have been supplied in a good condition and be ready to use by the hire company. Ensure it has not been damaged or altered in any way.
4. Check all hand rails, access steps and platforms are free from oil, fuel, grease, snow, ice or dirt.
5. If the seat is adjustable, ensure it is in the correct position for a controlled working position and that it is secure.
6. When working on or near a public highway, inside industrial premises or on a construction site the roller's flashing amber beacon must be in operation.
7. Never carry passengers on any part of the roller.
8. If you haver not driven this type of ride-on roller before, carefully look at the controls before starting the engine.
9. Before starting work drive into a clear area and carefully practice all steering and controls until familiar with them.
10. If the ride-on roller is fitted with a roll over protection frame (ROPS) the seat belt provided must be used whenever the roller is moving. A ROPS frame often increases the potential danger to the driver if the seat belt is not used.

INSURANCE

1. Under the terms of hire, you are responsible for hiserte custody of the machine. The hire company must be indemnified against loss or unreasonable damage such as vandalism. The best way to achieve this is by insurance.
2. However, the machine must always be secured agains theft or vandalism. Lock the fuel cap. Remove the battery to preven unauthorised use or theft.
3. Some hire companies willoffer insurance cover at an extra charge.
4. In addition, be aware that if damage belonging to a third party or if involved in a highway accident, it is unlikely that normal insurance policies will give any protection.
5. If in any doubt about insurance cover, check with the hire company or insurer immediately.

Before Starting Work...

REFUELLING

1. No smoking.
2. If possible drive the roller to a safe place away from the work area.
3. Stop the engine and allow it to cool down.
4. Clean the filler cap and the area around it to prevent dirt falling into the diesel tank.
5. Use clean diesel when refuelling. If there is not a fuel pump available use a funnel when refuelling. Do not spill any diesel on yourself or the machine.
6. Wipe any fuel off the roller. Dispose of diesel soaked cloth carefully.
7. If any fuel is spilt on the ground, wipe it up or cover it with soil.
8. If any fuel is spilt on clothes, change them immediately.
9. Put all fuel caps back on properly, and leave the fuel container in a safe, cool place.
10. It is good practice to refill the fuel tank at the end of the day's shift and not at the start. This will prevent any condensation build up in the fuel system.

STARTING THE ENGINE

1. If the hire company has supplied special instructions, follow them. Otherwise follow the instructions below.
2. Ensure that no-one is close to the rollers work area.
3. Check the handbrake is on and the gear lever is in neutral. Ensure the STOP control is pushed fully home.
4. Stand by the engine and find the starting handle and the decompression lever. If the engine cover needs to be raised ensure the stay holds it up securely.

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ELECTRIC START

1. Ensure the hand brake is on and the gear lever is in neutral.
2. Electric start machines have a multi-position ignition switch. Turn the key part way to engage the cold start device, hold it in that position for about twenty seconds then fully turn to engage the starter.
3. Keep the throttle open when starting.
4. If the roller fails to start after a few seconds look to see if there is any smoke coming from the exhaust. If there is, try repeating the start procedure but hold in the cold start position for a little longer.
5. If the engine is warm, there is no need to use the cold start device. The key can be turned fully to engage the starter.
6. Stop the engine by pulling the STOP control.

HAND START

1. Some ride-on rollers need to be started by hand. This can be hazardous, so take care.
2. Before starting a cold engine, engage the cold start device. This is usually located near the fuel pump.
3. Check the handbrake is on and the gear lever is in neutral. Ensure the STOP control is pushed fully home.
4. Stand by the engine and find the starting handle and the decompression lever. If the engine cover needs to be raised ensure the stay holds it up securely.

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HAND START *(...continued)*

5. Fit the starting handle to the shaft. Check the handle slide on and off the shaft easily. Now, check the ratchet mechanism works by turning the handle anti-clockwise.
6. Move the decompression lever into the decompression position.
7. Grasp the starting handle firmly in one hand. It is important not to wrap the thumb around the handle. Keep thumb on the same side of the handle as the fingers. The thumb could be broken if it is wrapped around the handle and the engine kicks back.
8. Crank the engine strongly before lowering the decompression lever smoothly. The engine should fire up. If it doesn't, repeat these instructiions, starting from step 13 above.
9. If the engine is now running, slide the handle off the shaft. Stow the handle safely.
10. If when the engine fires up and the handle is let go, do not attempt to grab it. Stop the engine using the stop control. Then start the engine again.
11. Never stop the engine using the decompressiion lever. This may damage the engine and will be regarded as misuse by your hire company. Only use the correct engine STOP control.

STOPPING THE ENGINE

1. Always use the engine stop control to stop the engine.
2. Do not use the decompression lever, as this will damage the engine and will be seen by your hire company as misuse.
3. To prevent unauthorised use, turn off and remove the ignition key (if there is one).

USING THE RIDE-ON ROLLER

1. When usisng the ride-on roller, stay aware of what is happening all around. Do not assume people or other obstacles will move out of the way.
2. Climb aboard and get off the roller usisng the access steps and hand rails. Do not climb up or get off in any other way.
3. Stay in the driver's seat unless the roller is parked. Do not lean out to move obstacles or to help other people.
4. Ensure the handbrake is applied when the roller is stationery or it may creep or roll forward / backward without being noticed.
5. If the roller is fitted with a water sprinkler, use it. The water will help to prevent the compacted surface from sticking to the roller's drum.
6. Stop the engine before attempting to clear anything that becomes jamed in the drum scraper or tangled in the drive mechanism.
7. Before driving the roller in reverse, ensure there are no people or obstructions behind you.
8. Avoid hazardous areas such as soft ground, trenches or overhead obstacles.
9. Be careful on slopes. Go straight up or down slopes in low gear and never drive diagonally across them. Be aware that loose surfaces increase the risk of driving on slopes.
10. Never carry passengers on any part of the roller.
11. Never move the roller near to any trench where men are working.
12. When changing direction, move the travel lever to the 'O' position for a moment before selecting the travel direction.
13. To brake, move the throttle lever to position 'O' and the roller will automatically decelerate. Use the parking brake when the machine is stopped, with the engine running. The parking brake should also be applied before switching off the engine if parking on a slope. In other circumstances the parking brake is automatically applied when the engine is switched off.
14. Always stop the roller on firm, level ground away from the work area and other traffic. If the roller has to be parked on a slope, use metal chocks under the roller drum.
15. If using vibration to help compact the surface, be aware of the effect on nearby buildings or on underground pipes and cables. Never use vibration on concrete or hard, frozen ground as this damages the roller's bearings. Only apply vibration at full engine speed and turn it off before stopping the roller. If in doubt, stop work immediately and seek expert advice.
16. Stop the engine, move the travel lever to neutral, apply the parking brake and remove any key before leaving the roller unattended.
17. Load or unload the roller using strong and stable loading ramps. Lash the roller with shackles on the lifting points. Always lock the articulation lock before transporting.
18. If the equipment does not work properly, do not try to repair it. Contact the hire company.

Please store this leaflet safely. It may be required for further information

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