

OPERATING INSTRUCTIONS FOR SHP400 USERS

- 1) Remove the stump grinder from its carrying vehicle or trailer. **ALWAYS USE CAUTION** 
- 2) Familiarize yourself with this stump grinder and its controls. Learn where all engine controls are and be prepared to stop this machine quickly in case of emergency.
- 3) **PPE (PERSONAL PROTECTION EQUIPMENT) IS MANDATORY BEFORE OPERATING THIS MACHINE.** Wear safety glasses or helmet and visor combination, loose fitting gloves, hearing protection, and steel caps boots when operating this machine.
- 4) Move choke control to Choke or Start position: **NOTE: CHOKE MUST FULLY CLOSE. MOVE THROTTLE CONTROL TO RUN OR FAST POSITION. TURN KEY TO "ON" POSITION. START MACHINE. CHOKE CONTROL SHOULD ONLY BE USED FOR COLD STARTS.**
- 5) Manoeuvre the stump grinder to the area where the stump is to be removed. This can be done by pushing the stump grinder using the free wheeling feature, or driving the machine using its own power.
- 6) Position the stump grinder so that the grinding disc is just over the front edge of the stump.
- 7) Release the spring loaded pin located behind and at the base of the handle bar, this is the handle release pin. Place the handle bar into the position that best suits to operator and secure the locking pin.
- 8) Release the spring loaded swivel locking pin located on the main body right behind the engine, this is the main body release pin. This will allow the stump grinder to pivot over center.
- 9) You should now be in position at the stump and ready to start grinding. Slowly increase the operating RPM of the engine to approximately 2000 RPM and activate the clutch engagement switch to on. This will engage the grinding disc. **MAKE SURE THAT THE GRINDING DISC DOES NOT MAKE CONTACT WITH THE STUMP BEFORE ENGAGING THE CLUTCH.** Operate the engine at maximum RPM.
- 10) Slowly lower the stump grinder until the grinding disc comes in contact with the stump. Pivot, slew, or oscillate the stump grinder from left to right in a long slow sweeping motion. Maintain the same elevation until the front section of the stump has been removed, then move the machine forward lower the stump grinder and repeat the process to remove the next section.
- 11) Precision control at the stump can be achieved by operating the wheel control levers for each wheel effectively and efficiently. Alternate between the two wheels by effectively crabbing, alternating the wheels from left to right in order to cover the entire width of the stump, and any surface roots.

NOTE: The constant build up of grinding debris may inhibit the stump grinder from performing effectively. To help insure safe, effective, and efficient working results, keep the working area raked level and free of grinding debris. ALWAYS USE A RAKE.

MAKE SURE GRINDING DISC HAS STOPPED COMPLETELY BEFORE CLEARING DEBRIS

- 12) After the front part of the stump has been removed continue to advance the stump grinder forward repeating the left to right motion until the entire stump has been removed. **ALWAYS BE ALERT TO FOREIGN OBJECTS THAT ARE BURIED IN THE STUMP: WIRE, PIPE, STAR PICKETS, OR METAL STAKES. NOTE: FOR BETTER PERFORMANCE AND TO AVOID EXCESSIVE CLUTCH WEAR, OPERATE THE ENGINE AT FULL THROTTLE DURING OPERATION. WARNING: KEEP HANDS AND FEET CLEAR OF THE GRINDING ZONE AND OTHER MOVING PARTS WHILE THE ENGINE IS RUNNING.**
- 13) **DO NOT LEAVE THE MACHINE UNATTENDED WHILE THE ENGINE IS RUNNING.**
- 14) After the stump has been removed use the throttle control to gradually decrease the engine RPM's, **TURN THE CLUTCH ENGAGEMENT SWITCH TO OFF.** Make sure that the grinding disc has come to a complete stop before moving the stump grinder.
- 15) **STOP ENGINE:** Do not move the choke control to the CHOKE position to stop the engine. Backfire or engine damage may occur.
- 16) Move throttle control to the slow position
- 17) Turn the key to the off position and allow the machine to cool down.

AFTER USE

- 1) Allow the machine to cool down.
- 2) Keep the machine clean using warm soapy water. Make sure that no water enters the carburetor
- 3) Remove any weeds, wire, rope, etc. that may have wrapped around the disc grinding shaft assembly.
- 4) **Inspect stumpgrinding teeth, rotate if required and tighten nylock nut. Check for loose bolts securing pockets on grinding disc. ALWAYS USE SHARP TEETH.**

safety
IS EVERYBODY'S BUSINESS
...now

You alone know the operational demands and special conditions affecting the equipment in your situation and therefore assume the responsibility for developing, carrying out, and enforcing the safety concepts which apply to your own operation to effect the greatest safety for yourself and the people around you.

 **RED ROO**™

SAFETY PRECAUTIONS AND OPERATING INSTRUCTIONS



SHP400 STUMP GRINDER

 **RED ROO.com**

Commercial Environmental Equipment

Online Demonstration Available at:
www.redroo.com/products/stumpgrinder

SAFETY PRECAUTIONS FOR SHP400 USERS

USE COMMON SENSE AND PLENTY OF IT OPERATOR MUST BE TRAINED

1)  **DO NOT** allow any person to operate the stump grinder without first reading and understanding the safety and operating instructions. **KNOW THE CONTROLS AND HOW TO STOP THE STUMPGRINDER IN CASE OF AN EMERGENCY**

2) **NEVER** allow **CHILDREN** or **UNTRAINED ADULTS** to operate the stump grinder

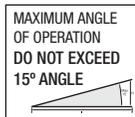
3) **PPE (PERSONAL PROTECTION EQUIPMENT) IS MANDATORY**



before operating this machine. **ALWAYS** wear protective clothing when operating the stump grinder. This includes, but not limited to; safety glasses, loose fitting gloves, steel capped boots and hearing protection. Never wear loose fitting clothing or jewelry when operating the stump grinder. Keep all clothing away from moving parts. Clothing could become caught in the machine resulting in injury.

4) **ALWAYS** operate the stump grinder in a well-lighted area

5) **NEVER** operate the stump grinder on an angle that exceeds 15° degrees. Keep your work area clear and free of debris.



6) **NEVER** operate the stump grinder when fatigued. **ALWAYS BE ALERT!** If you get tired while operating the stump grinder take a break. If you have any type of physical or mental condition that may be aggravated by strenuous work, consult with your physician before operating this piece of equipment. **NEVER** operate the stump grinder under the influence of medication, alcohol or drugs.

7)  **DO NOT** allow other adults, children or animals near the chipper mulcher shredder. **IT IS THE RESPONSIBILITY OF THE OPERATOR** to keep bystanders and animals a minimum of 6 metres (18ft) away from the stump grinder while in operation.

8)  **ALWAYS KEEP YOUR HANDS, FEET AND BODY AWAY FROM THE GRINDING AREA WHILE THE ENGINE IS RUNNING.**

9)  **NEVER** operate the stump grinder without the safety guards in place and in good working order. Always keep the stump grinder well maintained and in good working order

10)  **ALWAYS STOP** the engine immediately if a hydraulic leak occurs. **NEVER** operate this machine with frayed, kinked, cracked or damaged hoses, fittings, or tubing.

11) **DO NOT LEAVE THE STUMP GRINDER UNATTENDED WHILE THE ENGINE IS RUNNING.**

12) **DO NOT** over speed the engine or alter the governor settings. Excessive speed is dangerous and will shorten engine life

13)  **NEVER OPERATE THE STUMP GRINDER IN AN ENCLOSED AREA.** Engine exhaust contains carbon monoxide, an odourless and tasteless poison that can kill

14)  **STOP** the engine, disconnect the spark plug leads and allow engine to cool before inspecting or performing maintenance

15)  **REFUELLING**
 * Shut off engine. **DO NOT REFUEL AN ENGINE WHILE OPERATING MACHINE!**

- * ALLOW engine to cool down. Minimum 5 minutes
- * USE UNLEADED FUEL ONLY
- * USE CLEAN FRESH UNLEADED FUEL
- * Do not mix oil with unleaded fuel
- * Do not over-fill fuel tank. Allow space for fuel expansion
- * Do not smoke
- * Allow no naked flame or hot material in refuelling area
- * Use only approved fuel containers and funnels.

REMEMBER FUEL IS A POTENTIAL FIRE HAZARD/HANDLE WITH CAUTION

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OPERATING INSTRUCTIONS FOR SHP400 USERS OPERATOR MUST BE TRAINED

BEFORE USE

- 1)  Inspect the immediate area and remove any foreign objects from the area.
- 2) Identify and mark the location of sprinkler heads, gas pipes, telephone cables, electrical cables, etc.
- 3) Check the fuel level, oil level, and air filter before starting the this machine.

4) **ANGLE OF OPERATION.** Do not exceed an operation angle greater than 15 degrees. Make sure that the oil in the crankcase is at the top level before starting. **USE EXTREME CARE WHEN OPERATING THIS MACHINE ON AN ANGLE. CONSIDER FITTING THE OPTIONAL OUTRIGGER WHEELS TO IMPROVE STABILITY.**

