

**DIESEL ZERO TURN MOWER**

# SAFETY/RISK/HAZARD ASSESSMENT

## PLANT INFORMATION

NHG Ref/Part No.	MOWER1
Plant ID:	IS2500
Plant Name:	Ferris Zero Turn Mower
Potential Noise Level in Db:	105db to less than 110db
Required hearing protection class:	4
Operator Competency:	Plant Licence Not Required

*It is the hirer's responsibility to ensure that all operators are competent.*

Please refer to the User Guide and Operators Manual for detailed Operating Instructions



Protective equipment must be worn when operating this machine



## RISK ASSESSMENT INFORMATION

### Potential Hazard(s)

#### Injury from contact with moving parts

Risk Level High

Control Measures

Clear work area of all debris such as rocks, stones, sticks and other objects which may become projectiles

Keep body parts away from blades and ensure all operators are wearing protective equipment such as boots, eye and ear protection.

All users should familiarise themselves with the safe operation and emergency shutdown procedures of the equipment.

Exclude non-essential persons from work area with a minimum exclusion zone of 6m from operating mower. Disengage blades if persons enter the exclusion zone.

Inspect equipment before operation to ensure blade bolts and cutter assembly are firmly positioned.

Avoid mowing on steep or uneven gradients.

Stop the blades before moving across driveways, footpaths or roads.

The mower is designed for one person use only. Never allow passengers to sit or ride on the mower.

Ensure blades are idle before removing catcher (if equipped) or attempting maintenance.

Do not use if under the influence of alcohol, drugs, medication or fatigue.

Never leave running mower unattended. Shut down and remove key to avoid use by unauthorised persons.

#### Crush Injury

Risk Level High

Control Measures

Keep movements deliberate and steady. Do not make sudden changes in speed or direction.

Do not mow on slopes greater than 15 degrees.

Avoid mowing slopes in wet or slippery conditions.

Do not mow near drop-offs or on unstable ground where a wheel could slip over the edge. Hand mow this area.

Use a full width ramp when loading or unloading mower.

Do not attempt to load or unload the mower on a ramp inclined to more than 15 degrees. Avoid sudden speed change or turning while on ramp.

### **Crush Injury (continued)**

Keep ROPS (roll bar) fully raised and locked, and use seat belt while operating mower.

Do not mow in reverse unless unavoidable.

### **Hearing Damage**

Risk Level Medium/High

Control Measures Hearing protection must be worn. Note warning label on unit.

### **Explosion or fire from fuel vapours**

Risk Level Medium

Control Measures Stop engine before refuelling. Do not refuel while hot. Avoid spillage of fuel when refuelling. Ensure the fuel cap is properly secured after refuelling. Carry out visual checks for fuel leaks and repair before operation. Keep flammables away from the engine. Do not smoke while operating, servicing or refuelling this machine.

### **Injury or ill health due to exposure to exhaust or fuel fumes**

Risk Level Medium

Control Measures Do not operate in confined space. Use in well ventilated area, preferably with fume extraction ventilation. Avoid breathing or coming into contact with fuel.

### **Exposure to ultraviolet radiation if working outdoors**

Risk Level Medium

Control Measures Wear sunscreen, hat, long sleeves and long pants.

### **Burn hazard**

Risk Level Medium/Low

Control Measures Wear protective clothing during operation. Avoid contact with hot components. Never operate the engine with heat shields removed.

### **Manual handling hazard**

Risk Level Medium

Control Measures Take care when transporting.

Due to the weight of the machine, lifting is not recommended.

## KEY OPERATING INSTRUCTIONS

### PRIOR TO STARTUP

1. All users should familiarise themselves with safe operating procedures and emergency shut down procedures.
2. Adjust the operators seat so you can comfortably reach all of the controls and see the instrument and gauge panels. Move the lever forward to adjust seat forward or back. Release the lever to lock in place.

### STARTING THE ENGINE

1. If starting for the first time, or after refuelling, the fuel system will need to be primed. TO PRIME – Make sure there is sufficient fuel, then turn the ON position (NOT the Start Position) for 10-15 seconds to enable the electric fuel pump to run fuel to the system.
2. Whilst sitting in the operators position, engage the park brake and make sure the PTO is disengaged and the motion control handles are locked in the NEUTRAL position.
3. Set the engine throttle control to the middle position (set to Full if starting in cold weather).
4. Turn the key to the HEAT/RUN position. Hold the key to turn the glow plug indicator light on and activate the glow plugs.
5. Wait until the glow plug indicator light turns off, then turn the key to START.
6. If the engine does not start immediately, muve the throttle to FULL. DO NOT crank the engine continuously for more than 30 seconds. Allow the starter motor to cool for 2-3 minutes before trying again.
7. Once the engine starts, move the engine throttle control to SLOW.
8. Warm engine for 1 minute.
9. Move the throttle to FULL before engaging the PTO switch or driving the machine.

### **EMERGENCY STOP – Turn ignition key to STOP**

Use this method IN EMERGENCY SITUATIONS ONLY. See 'STOPPING THE ENGINE' for normal shutdown procedure.

### OPERATION

1. Disengage the parking brake and pivot the ground speed control levers inward.
2. Moving a lever forward increases the forward speed. Move the levers evenly forward to travel forward. To stop, return the levers to the neutral position.
3. Pulling lever back increases reverse speed. **Always** look **BEHIND** and **DOWN** before reversing.

4. Left lever controls the left rear drive wheel, the right lever controls the right rear drive wheel.
5. Familiarise yourself with the manoeuvrability of the mower before commencing mowing.
6. Set the mower cutting height.
7. Ensure the throttle is in FULL position and engage the PTO by pulling on the PTO switch.
8. Use care when approaching blind corners, shrubs, trees and other objects that may obscure vision.
9. Use care when mowing around/under low branches which may pose a penetration or whip injury.

#### **STOPPING THE ENGINE**

10. Return the ground speed control levers to the middle position to stop movement. Pivot the levers outward and lock them in NEUTRAL.
11. Disengage the PTO
12. Engage the parking brake
13. Move the throttle speed lever to the SLOW position and allow engine to cool for a short time.
14. Turn the ignition key to OFF.
15. Remove the key from ignition if mower is to be left unattended.

### **Please refer to the User Guide and Operators Manual for detailed Operating Instructions**

*The safety information contained in this assessment is general information only and should not be relied upon as a substitute for professional advice or tuition, which the hirer should seek before operating.*