

Plant Risk Assessment



Inspector:	Jim Ranten
Client Name:	Charles Nipper
Client:	Focus Machinery
Address:	908-920 Mountain Highway
Suburb:	Bayswater VIC
Plant Type:	Roller
Make:	Wacker Neuson RD12A
Serial Number:	WNCRD12ALPUM04525
Hour Meter:	0000
Modified From Original Condition?:	No
Plant Number:	R277
License Required:	No
dB Rating operating cabin:	
dB Rating from 3mtrs: 102	Machine Weight: 1139kg



Report Number: #003604
Inspection Date: May 21st, 2024
Expiry Date: May 21st, 2025

Travel Height: 2350mm

Max Height: 2350mm

Preface

This Hazard/Risk assessment report has been prepared as the requested of the client in fulfilment of duty of care to provide a safe and functional piece of mobile plant. This only has a validity of twelve (12) months from the date of the report.

Compliance: Compliance has been determined using the below where deemed appropriate:

- Worksafe Compliance Code - Plant
- OH&S Regulations 2017
- OHS Act 2004
- AS4024-2014 Safety of Machinery

The report is based on the visual observations of the inspector on the day of inspection and did not include observation of equipment in operation. While the inspector takes reasonable care to be thorough, under the conditions of this inspection it is not possible to ensure that every hazard has been observed or reported. Since vandalism, disassembly, normal wear and tear and operational use are ongoing risks to safety. The operator must carry out Job Safety Analysis, Pre-Start Checks, and adhere to the operator's manual as outlined in the manufacturer's documentation.

The relative urgency of rectification is indicated by the score as detailed in the Analysis Matrix table. Please do not hesitate to contact JR Safety and Compliance Pty Ltd if further clarification is required.

Analysis Matrix

		Consequence				
Likelihood		Insignificant	Minor	Moderate	Major	Catastrophic
	Almost Certain	Medium	High	Very High	Very High	Very High
	Likely	Medium	High	High	Very High	Very High
	Sometimes	Low	Medium	High	High	Very High
	Rarely	Low	Low	Medium	Medium	High
	Highly Unlikely	Low	Low	Low	Medium	Medium

Risk Evaluation

- **Catastrophic** – Fatality – Act immediately to mitigate the risk.
- **Major** – Extensive injuries – Act immediately to mitigate the risk. If the correct treatments are not available immediately establish interim risk reduction strategies.
- **Moderate** – Medical Treatment required – Take reasonable steps to mitigate the risk and implement the risk treatments as soon as reasonably practicable.
- **Minor** – First Aid Treatment – Implement the risk treatments as soon as reasonably practicable.
- **Insignificant** – No risk of injury but as always take caution and reasonable steps to monitor risk.

Hierarchy of Controls

- **Elimination** – This is a permanent solution and should be attempted in the first place.
- **Substitution** – This includes plant which present a lower level of risk.
- **Isolation** – Isolate the Hazard, use guarding or prevent access etc.
- **Engineering** – Safe alternative manufacturing guarding or barriers.
- **Administration** – Implement Policies, Procedures, Training and safe work practices.
- **PPE** – Ensure that individuals are equipped with the proper personal protective equipment to perform the task. (Glasses, Gloves, Protective Foot ware, Hard Hats, Wide Brimmed Hats, Sunscreen, Ear Protection etc).

Hazard Checklist

Entanglement Can anyone's hair, clothing, gloves, necktie, jewellery, rags, or other material become entangled with the moving parts of the plant.			
Issue	Status	Comments/Issues	Risk Rating
Guards Installed for Engine fan.	Yes		Low
Guards installed for belts & pulleys.	Yes		Low
Engine covers fitted.	Yes		Low
Warning Decals - (Do not open with engine running).	Yes		Medium
Warning Decals for Personal (i.e. clothing, hair etc).	Yes		Medium
Secure Work Zone.		Responsibility of operator to ensure adequate exclusion zone when machine is in operation.	
Rotating Parts Decal Fitted	Yes		Medium
Engine Bay enclosed with limited access.	Yes		Medium
Battery Isolator lockable	Yes		Low
External emergency stop fitted and accessed at ground level.	Yes	Complies to AS4024. 1604-2019.	Low

Crushing Can a person be crushed due to Material falling off the plant, Uncontrolled or unexpected movement of the plant or its load, the plant tipping or rolling over, parts of the plant Collapsing, coming in contact with moving parts of the plant during testing, inspection, maintenance, cleaning or repair, being thrown off or under the plant, being trapped between the plant and materials or fixed structures and any other factors?			
Issue	Status	Comments/Issues	Risk Rating
Neutral Start Switch (Forward/Reverse Leaver).	Yes		Low
Reversing/Travel Alarm (above 87dBa @ 1mtr).	Yes	Squawker or beeper?	Low
Amber Flashing Beacon (Visible position - from 200m - 360 degrees).	Yes		Low
Controls have the appropriate knobs.	Yes		Low
Machine may suddenly reverse decal.	Yes		Medium
Rear view mirror (Mirrors to be adjusted to reduce blind spots).	Yes		Low
Emergency Exit Identified.	Yes		Low

Issue	Status	Comments/Issues	Risk Rating
Service Brake Operational.	Yes		Low
Battery Isolator.	Yes		Low
Hydrostatic Drive (Emergency Stop).	Yes		Low
Slope Indicator Fitted - (Ref to SWIMS).		Operator to ensure safe limits are not exceeded as per manufacturers guidelines.	
Seat belt fitted.	Yes	Fitted seatbelt is in good condition, Conforms to ISO6683. And does not require replacement as per manufacturers requirements.	Low
Seat Belt must be worn decal.	Yes		Low
Door Fitted.	N/A		
No phone use while operating the machine decal fitted.	Yes		Medium
Ensure that all operators follow approved SWMS/SOP when loading and unloading this machine to and from a flat top truck or trailer, low loader or tilt tray.		Responsibility of operator/owner	
Emergency Stops (If fitted)	Yes	Conforms to AS 4024. 1604:2019	Low
Safety Bar/ROPS fitted & Decal	Yes		Low
Iso Certified Rops Structure fitted.	Yes	Conforms to ISO 3471:	Low
No Passenger Decal Fitted	Yes		Low
External Emergency Stop fitted and clearly marked.	Yes	Conforms to AS 4024. 1604:2019	Low
Correct Retaining Pins fitted (No bolts, Steel Rods, Wire to be used as retaining pins).	Yes	Articulation lock pin must be available and to be installed during transport and maintenance of the machine.	Low
Work Area to be barricaded during operation with appropriate exclusion zone.		Responsibility of operator to ensure adequate exclusion zone when machine is in operation.	

Cutting, Stabbing and Puncturing

Can anyone be cut, stabbed or punctured due to:

Coming in contact with sharp or flying objects, with moving parts of the plant during testing, inspection, operation, maintenance, cleaning or repair of the plant?

Parts of the plant or work pieces disintegrating?

Work pieces being ejected?

The mobility of the plant?

Uncontrolled or un expected movement of the plant?

Issue	Status	Comments/Issues	Risk Rating
Guarding.	Yes		Medium

Issue	Status	Comments/Issues	Risk Rating
Trained person only.		Operator to be trained competent in use of machine.	
Tag out procedures in place.		Responsibility of operator/owner.	
Travel Alarm and Rotating Beacon fitted.	Yes		Low
Work Area to be barricaded during operation with appropriate exclusion zone.		Responsibility of operator.	
Eye protection to be worn when performing maintenance or prestart activities.		Responsibility of operator/owner.	
Rotating Part Decal fitted.	Yes		Medium
Horn Fitted to alert bystanders.	Yes		Low
Daily Inspections of Hoses/Pumps/Valves to check for any leaks or damage etc and tag out if so.		Responsibility of operator.	

Shearing

Can anyone's body parts be cut off between two parts of the plant, or between a part of the plant and a work piece or structure? In addition to the controls mentioned above under crushing, striking, cutting and stabbing

Issue	Status	Comments/Issues	Risk Rating
Decals - Crush Zone.	Yes		Medium
Warning Sign.	Yes		Medium
Shearing Guarding.	Yes		Medium

Friction

Can anyone be burnt due to contact with moving parts or surfaces of the plant, or material handled by the plant

Issue	Status	Comments/Issues	Risk Rating
Safe Work Procedures in place.		Responsibility of operator/owner.	
Guards.	Yes		Medium
PPE (Eye and Hand Protection to be worn when performing maintenance or prestart activities).		Responsibility of operator/owner.	

Striking

Can anyone be struck by moving parts due to working pieces being ejected:

Issue	Status	Comments/Issues	Risk Rating
Keep Clear Warning Decal.	Yes		Medium

Issue	Status	Comments/Issues	Risk Rating
Engine Fan Guard.	Yes		Low
Belts & pulley guards.	Yes		Low
Correct retaining pins.	Yes	Articulation lock pin must be available and to be installed during transport and maintenance of the machine.	Low
Reversing or travel alarm.	Yes		Low
Amber flashing beacon.	Yes		Low
Reversing Decal fitted.	Yes		Medium
Front and or Rear work lights.	Yes		Low
Reflective side tape fitted.	Yes	Yellow/White Class 1 reflective tape fitted.	Low
Warning Horn	Yes		Low
Work Area located and barricades in place to prevent access into operating area or exclusion zone.		Responsibility of operator.	

High Pressure Fluid

Can anyone come into contact with fluids under high pressure, due to plant failure or misuse of the plant?

Issue	Status	Comments/Issues	Risk Rating
All hose clamps fitted.	Yes		Low
High Pressure Warning decals.	Yes		Medium
Non return valves fitted.	Yes		Low
All pipes clamped	Yes		Low
High Pressure Fluid Decal	Yes		Medium
Battery Explosion warning decal fitted.	Yes		Low
Pressure Release Radiator Cap fitted.		Radiator expansion tank fitted preventing the need to opening the system in order to check fluid levels.	
Sheathing fitted to hoses to prevent rubbing and failure.	Yes		Low
Lockable Battery Isolator fitted - so machine can be locked out before any maintenance activities are undertaken.	Yes	Red lockable battery isolator fitted.	Low
Relieve any pressure from system before undertaking any maintenance activities and follow manufactures procedures.		Responsibility of operator/owner	

Electrical

Can anyone be injured by electrical shock or burnt due to:
 The plant contacting live electrical?
 The plant working to close proximity to electrical conductors?
 Overload of electrical circuits?
 Damage or poorly maintained electrical cables?
 Damage to electrical components?
 Lack of Isolation procedures?

Issue	Status	Comments/Issues	Risk Rating
Overhead Electrical Hazard / obstructions decal fitted.	Yes	All overhead services to be identified prior to operation.	Medium
Isolation Switches in good condition.	Yes	All circuits are protected with appropriate circuit breakers/fuses.	Low
Look up and Live Decal fitted.	Yes		Medium
Battery Constrained to prevent displacement.	Yes		Low
Battery Isolator lockable	Yes		Low
Any damage to electrical wires?	No		Low
Travel Height of Machine decal	Yes		Low
Electrical Spotter to be used if working within close proximity of electrical wires.		Responsibility of operator.	
Rubber Matting or rubber boots covering the battery terminals to prevent contact with live terminals.	Yes		Low

Explosion

Can any one be injured by explosion of gases, vapours, liquids, dusts or other substances, triggered by the operation of the plant or by material handled by the plant?

Issue	Status	Comments/Issues	Risk Rating
Fuel Decal.	Yes		Medium
Hydraulic Oil Decal.	Yes		Medium

Slipping Tripping and Falling

Using the plant or being in the vicinity of the plant, slip, trip or fall due to the working environment or other factors? E.g. Poor Housekeeping, slippery or uneven work surface or lack of guardrails.

Issue	Status	Comments/Issues	Risk Rating
Machinery tracks or steps are clean (Clear of mud).		Fitted steps are of a non-slip design. Responsibility of operator to ensure steps are clean.	
Adequate Steps/footings in place.	Yes		Low

Issue	Status	Comments/Issues	Risk Rating
Adequate guardrails/handrails/grab rails in place.	Yes	Ensure 3 points of contact is able to be maintained during access and egress from machine.	Low
3 points of contact decal fitted.	Yes		Low
No visible signs of excessive lubricant leakage.	No		Low
Operator's Station clear of Debris (e.g. Cans of paint, grease cartridges, chains, drink bottles, eskies, quick hitch safety pins etc).		Responsibility of operator.	
Appropriate footwear to be worn at all times.		Responsibility of operator/owner.	

Ergonomic

Can anyone be injured due to seating design, repetitive body movement or posture, excessive effort, poor workplace or plant design causing mental or physical stress, lack of consideration for human behavior, poor lighting or other factors not mentioned?

Issue	Status	Comments/Issues	Risk Rating
Seat in useable condition.	Yes	Seat to be adjusted to ensure correct posture to avoid straining during machine operation.	Low
Operation Controls (Levers & Pedals in operators Reach).	Yes		Low
Seat Adjustment Controls Operational.	Yes		Low
Control Labels readable.	Yes		Low

Suffocation

Can anyone be suffocated due to lack of oxygen, or atmospheric contamination?

Issue	Status	Comments/Issues	Risk Rating
Not excessive Engine fumes.	No	engine emission standards: (EG tier IV)	Low
Door & Window seals well maintained (Where applicable).	N/A		
If working in an enclosed area operator to ensure there is adequate ventilation present, in some cases a further Risk Assessment may need to be carried out prior to operating.		Responsibility of operator/owner	

High Temperature or Fire

Can anyone come into contact with objects at high temperature or injured by fire?

Issue	Status	Comments/Issues	Risk Rating
Exhaust in adequate condition.	Yes		Low

Issue	Status	Comments/Issues	Risk Rating
Hot Hazardous exhaust decal.	Yes		Medium
Fire Extinguisher in the Equipment and maintained to AS 1851-2012.	Yes	Responsibility of operator/owner to ensure fire extinguisher is maintained to AS1851.	Medium
Hot Surface Warning Decals.	Yes		Medium
Service History up to date.	Yes	Responsibility of owner.	Medium
Tank ID Label Fitted	Yes		Low
All areas exposed to high temperatures to be clear of combustible materials.		Responsibility of operator.	

Thermal Comfort

Can anyone suffer ill-health due to exposure to high or low temperatures?
 Can the operator get sun burnt?

Issue	Status	Comments/Issues	Risk Rating
Ventilation.		Responsibility of operator to ensure adequate ventilation prior to and during operation of machine.	
Air Conditioning.	N/A		
PPE & Sunscreen provided.		Responsibility of operator/owner.	
Sun protection decal fitted.	Yes		Medium

Noise

Is the noise level of the piece of equipment at a point that could damage your hearing?

Issue	Status	Comments/Issues	Risk Rating
PPE Protection Decals.	Yes		Medium
Hearing protection supplied.		Responsibility of operator.	

Documentation

Is the following documentation in the cab or readily available to the operator?

Issue	Status	Comments/Issues	Risk Rating
Operators Manual with the equipment.	Yes		Low
Attachment Risk Assessment (if applicable).		Responsibility of operator.	
Service & Maintenance Records to be up to date.	Yes	Responsibility of owner to ensure service & maintenance is carried out by a suitably qualified mechanic in line with manufacturer requirements for maintenance or repair.	Low

Issue	Status	Comments/Issues	Risk Rating
Plant Pre-Start Check List.		Responsibility of operator to ensure pre start is carried out daily, prior to use of the machine.	
Safe Working Method Statement and procedures in place.		Responsibility of operator/owner.	
Traffic Management in place (if applicable).		Responsibility of operator/owner.	

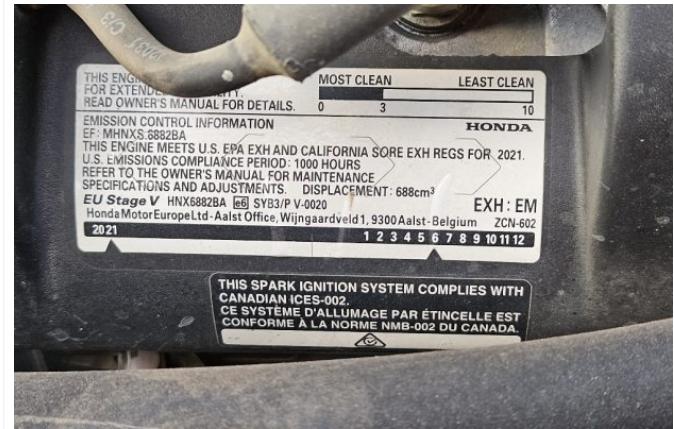
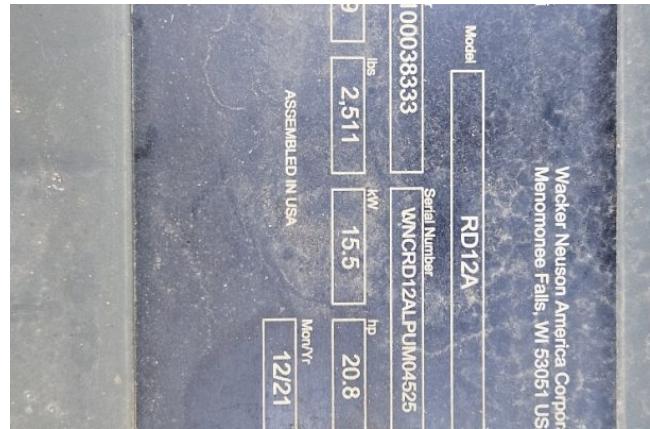
Report Images

Machine Photo Images



Report Images

Data Plate Images



Report Images

ROPS Plate Images



Report Images

Hour Meter Images



Report Images

Service Sticker Images



Important Notes

- Service History it to be up to date and maintained by the Hiree, Owner and operator.
- The above assessment is based on the machine only not the site or work environment it may be used. This is the responsibility of the operator to ensure safe work practices and Pre-Start Checks are followed.
- All operators to be trained prior to use of machinery.
- All attachments used with the machine need to have data plates.
- If any piece of machinery is used as a crane this needs to be adhered to the Crane Act, including understanding Load Charts for the machine and swivel hook to lift.

Hirer / Operator Acknowledgment:

I the undersigned acknowledge that I have read and understand the risk management report described above. I also acknowledge that I have received a copy of this risk management report:

Client Signature

Rahni - May 21st, 2024



Report Number: #003604
Inspection Date: May 21st, 2024
Expiry Date: May 21st, 2025

We the undersigned, confirm that the Plant Risk Assessment included in this report has been explained and its contents are clearly understood. We also confirm that our required qualifications to undertake this activity are current. We also clearly understand that the controls in this Plant Risk Assessment must be applied as documented, otherwise work is to cease immediately.

© Copyright. This report has been produced for the sole use of JR Safety and Compliance Pty Ltd and the named client and the report or the information contained therein may not be copied or reproduced either in part or in whole by any means whatever for any purpose other than for the information of the named client without the prior written consent of JR Safety and Compliance Pty Ltd.

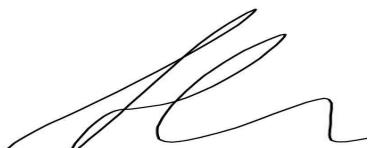
Fleet Service Job

Cert No: PK55529 **Date Completed:** 29/08/2022
Site Name: Depot
Fleet No: R277 **Serial No:** WNCRD12ALPUM04525
Engineer: Leigh E **Work Completed:** 50 Hour Service
Notes: 50hr inspection

Test	Value	Result
Engine Oil Level		Pass
Coolant Level		Fail
Cooling System		Fail
Intake Hoses		Pass
Air Filters		Pass
Air Pre Cleaner		Pass
Water Pump & Pulley Bearings		Fail
Drive Belts		Fail
Exhaust System		Pass
Throttle		Pass
Overall Engine Condition		Pass
Transmission Oil Level		Pass
Differential Oil Levels		Pass
Final Drive Oil Levels		Pass
Drum Oil Level		Pass
Drum Drive Reduction Oil Level		Pass
Axle Seals		Fail
Vibe Drum Rubber		Pass

Signed By: Leigh

Signature:

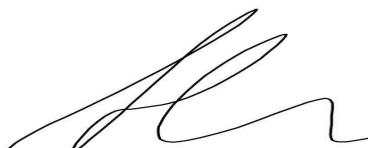


Fleet Service Job

Cert No:	PK55529	Date Completed:	29/08/2022
Site Name:	Depot		
Fleet No:	R277	Serial No:	WNCRD12ALPUM04525
Engineer:	Leigh E	Work Completed:	50 Hour Service
Drive Motors			Pass
Tyre Condition & Pressure			Fail
Check for Loose Wheel Nuts			Fail
Rims			Fail
Overall Condition			Pass
Head Lights Low and High Beam			Pass
Brake Lights			Fail
Indicators			Fail
Work Lights			Pass
Reverse Lights			Pass
Park Lights			Fail
Beacons			Pass
Aerials			Fail
Battery Terminals			Pass
Battery Clamps			Pass
Battery Fluid			Pass
Jump Start Receptacle			Fail
Horn			Fail
Reverse Alarm			Pass
Interior Light			Fail

Signed By: Leigh

Signature:

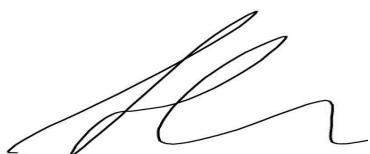


Fleet Service Job

Cert No:	PK55529	Date Completed:	29/08/2022
Site Name:	Depot		
Fleet No:	R277	Serial No:	WNCRD12ALPUM04525
Engineer:	Leigh E	Work Completed:	50 Hour Service
Windscreen Wipers			Fail
Windscreen Washer & Fluid			Fail
Instrument Cluster			Pass
UHF Radio			Fail
AM/FM Radio			Fail
Emergency Stops			Pass
Wiring			Pass
Hydraulic Oil Breather			Pass
Hydraulic Oil Level			Pass
Rams			Pass
Hoses			Pass
Pins and Bushes			Pass
Control Levels			Pass
Travel Lever Linkage			Pass
Centre Hitch			Pass
Scraper Rubber			Pass
(Pad foot) Scraper			Fail
(Pad foot) Wear Plates			Fail
Steering Chains Condition			Fail
Door & Hold Open Latches			Fail

Signed By: Leigh

Signature:

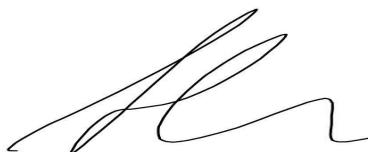


Fleet Service Job

Cert No:	PK55529	Date Completed:	29/08/2022
Site Name:	Depot		
Fleet No:	R277	Serial No:	WNCRD12ALPUM04525
Engineer:	Leigh E	Work Completed:	50 Hour Service
Windows & hold open latches			Fail
Mirrors			Fail
Floor Mat			Fail
Seat Condition			Pass
Seat Belt			Pass
Door Locks Operational			Fail
Arm Rests			Fail
Seat Function			Pass
Air Conditioning			Fail
Air Conditioning Louvres			Fail
Drive Modes (Rabbit & Tortoise)			Pass
Air Conditioning Filters			Fail
Operators Manual			Pass
Risk Assessment			Pass
First Aid Kit and Eye Wash			Pass
Vibe Modes (high & low)			Pass
Panels			Pass
Handrails			Pass
Information Stickers			Pass
Focus Hire Stickers			Pass

Signed By: Leigh

Signature:

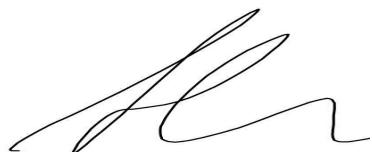


Fleet Service Job

Cert No:	PK55529	Date Completed:	29/08/2022
Site Name:	Depot		
Fleet No:	R277	Serial No:	WNCRD12ALPUM04525
Engineer:	Leigh E	Work Completed:	50 Hour Service
Ladders and Steps			Pass
Belly Plates			Pass
Engine Cover			Pass
Grease Lines and Blocks			Pass
Grease Machine			Pass
Fire Extinguisher(s)			Pass

Signed By: Leigh

Signature:



Fleet Service Job

Cert No: FM78890 **Date Completed:** 8/01/2024
Site Name: Depot **Meter Reading:** 103
Fleet No: R277 **Serial No:** WNCRD12ALPUM04525
Engineer: Jess **Work Completed:** 100 Hour Service
Notes: completed service as per checklist, completed fire extinguisher check and tag

Test	Value	Result
Check the external hardware.		Pass
Check the water filter.		N/A
Check the level of hydraulic oil		Pass
Check the condition of hydraulic hoses and connections		Pass
Check the electrical wiring and connections.		Pass
Check operation of the parking brake and make sure it engages.		Pass
Check operation of the neutral safety switch.		Pass
Check the seat belt.		Pass
Grease the articulated sterring joint tie rod.		Pass
Grease the rear drum drive bearings.		Pass
Grease the exciter bearings.		Pass
Grease the steering cylinder ends.		Pass
Check the battery.		Pass
Clean the scraper bars		Pass
Clean the water filter.		Pass
Replace Spark plug		Pass
Check-adjust idle speed		Pass

Signed By: Jess Williams

Signature:



Fleet Service Job

Cert No: FM78890

Date Completed: 8/01/2024

Site Name: Depot

Meter Reading: 103

Fleet No: R277

Serial No: WNCRD12ALPUM04525

Engineer: Jess

Work Completed: 100 Hour Service

Check-adjust valve clearance

Pass

Replace fuel filter

Pass

Signed By: Jess Williams

Signature:

