

Westralian WD Diesel

ACN: 108 930 089
ABN: 64 108 930 089

MOB: 0418 920 85
OFFICE: 08 6363 56

155 Milner Road
Forrestfield WA 605

PO Box 10:
Kalamunda WA 69

PLEASE PAY BY	AMOUNT	INVOICE DATE
08/08/2023		08/08/2023

TAX INVOICE NO. 74387

All Used Equipment
230-232 Welshpool Road
Welshpool WA 6106

Order No.:
Job No.: 34171
Invoice Terms: COD
ABN:

Work overview:

- Inspect and report faults found on three gensets.
- Load test three gensets.
- Repair electrical faults found across the three gensets.

Faults and issues found:

The earth leakage device does not work.
First load test on gensets.

Cummins Power C200D2R:

- The M.E.N link is disconnected and cable tied to the alternator. Asked to re-install this by the customer.
- The shunt trip is not working.
- The L1 terminal on the load side of the main switch has been damaged and the L1 load cable has been bolted onto the terminal.

UDW LC180C

- The alternator to the main switch busbars are missing.
- The controller has had communication with ECU.
- The fuel level sender is faulty.
- The main switch unable to reset after an earth leakage fault, this means the main switch can be closed under fault conditions. This will be a programming issue.
- The 24 ground between the genset control circuit is missing and has been replaced with a 16mm fuse.
- The alternator output is unreliable at the controller.

Work completed:

- Replaced the genset housing and re-connected the Marschal plug.
- Connected the load bank and load tested the genset.
- Completed the load test data sheet.
- Disconnected the load bank.
- Carried out the electrical testing and completed the electrical test sheet.
- Found the earth leakage device does not work. The customer has advised us to remove the Marschal outlet as it is the only device not protected by an RCD.
- Removed the fuel level fault from the controller programming as requested by the customer.
- Re-fixed all of the above.

PERTH METROPOLITAN AND STATE WIDE

HEAVY DUTY EQUIPMENT

- mining -automotive
- power generation

Westralian WD Diesel

ACN: 108 930 089
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OFFICE: 08 6363 562

155 Milner Road
Forrestfield WA 6055

PO Box 10:
Kalamunda WA 6950

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08/08/2023	19,171.00	08/08/2023

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Cummins Power C200D2R:

- Re-installed the M.E.N link in the alternator.
- Replaced the damaged L1 terminal with one from our stock.
- Connected the load bank and load tested the genset.
- Completed the load test data sheet.
- Disconnected the load bank.
- Removed the shunt trip and brought it back to the workshop for testing. Found it to be functioning correctly. Returned to site and found the main switch still would not trip. Moved the shunt trip from the YO slot to the UVR slot, as they have the same function. The main switch now trips. I have had to extend the shunt trip cabling to reach the UVR slot.
- Carried out the electrical testing and completed the electrical test sheet.
- Re-fitted all of the covers.

WORK COMMENTS:

- Installed 25mm² SDI cables from the alternator to the main switch.
- Checked the fan link to PCB. Why there is no communication between the ECU and the controller. Found some wiring on the engine harness and a plug not inserted properly.
- Removed the fuel level input from the controller programming as requested by the customer.
- Replaced the missing 2A circuit breaker.
- Investigated the unstable voltage at the DC bus. Found the voltage regulator wiring shorted the 3 phase main breaker that protects the incoming wires and cleared the fault.
- Connected the load bank and load tested the genset.
- Completed the load test data sheet.
- Disconnected the load bank.
- Investigated the genset failure with being able to reset the main switch during the shutdown cycle. Removed the generator and returned to the workshop for programming as the controller does not have the communication to program it. Upgraded the firmware in the controller to the latest version. Checked the communication parameter set incorrectly, changed the IP address to match the genset. Checked the wiring as it should not be reset under load.
- Carried out the electrical testing and completed the electrical test sheet.
- Re-fitted all of the covers.

All work has been carried out in accordance with Australian electrical standards, rules and regulations.

Part #	Item	Quantity	Unit Price	Total
	Electrician Labour		19,171.00	19,171.00
	25mm ² SDI 3000A		640.00	640.00

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Part #	Item	Quantity	Unit Price	Total
	10MM 1 CORE FLEXIBLE CABLE			
	CIRCUIT BREAKER LUG 15MM MS STUD			
	10 LUG 25MM 12 10MM STUD			
	Marshall housing			
	surplus	1.00		

Sub-Total ex GST

Sub-Total ex GST
GST
Total inc GST
Amount Applied
Balance Due

Please forward a Remittance Advice to accounts@westdiesel.com.au

How To Pay

INVOICE NO. 74387



Credit Card (MasterCard or Visa)

Please call 08 6363 5617 to pay over the phone.



Direct Deposit

Bank **ANZ**
Acc. Name **Maximor Nominees Pty Ltd**
BSB **016341**
Acc. No. **376259029**
SWIFT **ANZBAU3M**

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HEAVY DUTY EQUIPMENT

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