

RISK MANAGEMENT REPORT

TYPE	Generator - Fixed/Transportable
MAKE	Atlas Copco
MODEL	QAS250
SERIAL NUMBER	ESF503110
Report Number	RED 20180129-1630
Date	29-Jan-2018
Created By	Kevin Ennis
Assessor	Kevin Ennis
Assist. Assessor(s)	
Completed By	Kevin Ennis
Owner	Redstar Equipment
Customer Name	Hire Express
Assessment Purpose	Sale
State	NSW

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SECTION 1

IMPORTANT INFORMATION

Contains information outlining the scope and any limitations applicable to this Risk Management Report

SECTION 2

MACHINE DETAILS

Contains standard machine specifications and details of any extras fitted

SECTION 3

RISK ANALYSIS, RISK EVALUATION & RISK TREATMENT

Contains details of the technique used to calculate risk ratings, time frame and risk treatments. Please refer to this information when reviewing and interpreting the information in section 4 & 5

RISK TREATMENTS REQUIRED

SECTION 4 Contains detailed information regarding the risk treatments to be implemented including hazard, risk rating, time frame, relevant standards & legislative references

RISK TREATMENTS IN PLACE

SECTION 5 Contains detailed information regarding the risk treatments in place including hazard, risk rating, relevant standards & legislative references

SECTION 6

IMAGES AND NOTES

Contains images & any relevant information entered by the assessor





SECTION 1 IMPORTANT INFORMATION

This report generated by Plant Assessor™ © Online Safety Systems on Monday, 29 Jan 2018 3:32 PM

This Risk Management Report has been prepared for -

(insert recipient name/company name)

This document has been prepared to cover the sale or transfer of this item of plant between the Company identified on the front cover and their named recipient. This report must not be used for any subsequent sale or transfer.

This document is provided to meet duty of care obligations as set out in relevant state and territory health and safety regulations for the supply of plant and the sale and transfer of plant.

The safety hazards associated with the operating and maintaining of this item of plant have been identified as far as practical by visual inspection. This item of plant is being sold in an "as-is" condition with known and unknown safety hazards. No physical testing has been conducted (eg. Wire rope tests, stress tests, structural/non-destructive tests, noise tests, vibration tests, brake tests, insulation tests etc.) unless stated otherwise in the notes.

This document is not intended to provide information on, nor warrant the mechanical, electrical or structural condition of this item of plant. Any information on standard features have been supplied through the manufacturer and should be used as a guide only until otherwise verified.

This item of plant should be further assessed, tested and inspected or dismantled as necessary to gauge any further hazards and /or risks relating to SPECIFIC WORKPLACE USE, which are currently unknown, in accordance with relevant standards, regulations and acts.

Under common law and relevant state and territory health and safety acts, regulations and codes of practice, there is a requirement for the plant owner, employer and operator to exercise a duty of care in the safe operation and maintenance of plant. Accordingly before this item of plant is supplied to, or used at any workplace it must be inspected to ensure it is in a fully operational, safe and serviceable condition and that operators and maintenance personnel are appropriately trained in the use & maintenance of this item of plant.

For further information regarding this report contact Online Safety Systems on 1300 72 88 52

SECTION 2 MACHINE DETAILS

S	- NOISE TEST RESULTS	1. Manufacturers specified noise level dBA	
I ≱	CAPACITIES	Fuel Tank Capacity (Litres)	
		Dry Weight (kg)	
╽巡│	DIMENSIONS/WEIGHTS	L x W x H (mm)	
		Max Operating Weight (kg)	
MACHINE		Amperage (amps)	
	ELECTRICAL	Current (watts)	
		Frequency (Hz)	
		Voltage (volts)	
ÌÌ		Engine Displacement (Ltr)	
(-		Engine Hours	
\vee	ENGINE	Engine Make & Model	
		Engine Number	
		Engine Power (kW@rpm)	





	Fuel: Petrol/Diesel/Gas	
	Number of Cylinders	
WORK CAPABILITIES	Max Output	





SECTION 3 RISK ANALYSIS / RISK EVALUATION

RIS	RISK ANALYSIS						
_ <	CONSEQUENCE →						
→ LIKELIHOOD		1. INSIGNIFICANT Dealt with by in house first aid	2. MINOR Treated by medical professionals, hospital out patients	3. MODERATE Significant non permanent injury overnight hospital stay	4. MAJOR Extensive permanent injury eg. Loss of fingers, extended hospital stay	5. CATASTROPHIC Death, permanent disabling injury eg. Loss of hand, quadriplegia	
	A. Almost certain to occur in most circumstances	MEDIUM 8	HIGH 16	HIGH 18	CRITICAL 23	CRITICAL 25	
	B. Likely to occur frequently	MEDIUM 7	MEDIUM 10	HIGH 17	HIGH 20	CRITICAL 24	
	C. Possibly and likely to occur at sometime	LOW 3	MEDIUM 9	MEDIUM 12	HIGH 19	HIGH 22	
	D. Unlikely to occur but could happen	LOW 2	LOW 5	MEDIUM 11	MEDIUM 14	HIGH 21	
	E. May occur but only in rare circumstances	LOW 1	LOW 4	LOW 6	MEDIUM 13	MEDIUM 15	

LUATION	CRITICAL	Act immediately to mitigate risk. Implement risk treatment(s) in accordance with the risk treatment table below.
		Act immediately to mitigate risk. Implement risk treatment(s) in accordance with the risk treatment table below. If the appropriate risk treatments are not immediately accessible establish interim risk treatment strategies. Permanent risk treatments must be implemented within one week.
	MEDIUM	Take reasonable steps to mitigate and monitor the risk. Implement risk treatment(s) in accordance with the risk treatment table below. Permanent risk treatments must be implemented within one month.
	LOW	Take reasonable steps to mitigate and monitor the risk. Implement risk treatment(s) in accordance with the risk treatment table below. Permanent risk treatments must be implemented within three months.

EATMENT		Selecting the most appropriate risk treatment option involves balancing the costs and efforts of implementation against the benefits derived, with regard to legal, regulatory and other requirements. (Source AS/NZS ISO 31000:2009)		
E		Eliminate the risk source.		
		Provide an alternative that is capable of performing the same task which is safer.		
\bigcup	Engineering	Provide or construct a physical barrier or guard.		
Administration Develop policies Provide training,		Develop policies, procedures, practices and guidelines in consultation with employees to mitigate the risk. Provide training, instruction and supervision about the risk source.		
	Personal protective	Provide personal protective equipment to protect the individual from the risk source.		





Make Atlas Copco Model QAS250

Type Generator - Fixed/Transportable

Serial Number Assessed By Date ESF503110 Kevin Ennis 29-Jan-2018

SECTION 4 RISK TREATMENTS REQUIRED

This section of the report pertains to hazards created by use of this item of plant which currently do not have risk treatments in place. The risk treatments recommended in this section have been developed based on relevant Australian Standards, health & safety legislation, the hierarchy of risk treatment in accordance with the guidelines set forth in AS/NZS ISO 31000 – Risk Management and various other sources. The recommended risk treatment measures must be developed, implemented and validated as effective prior to the operation, maintenance or testing of this item of plant. Treatments applied must be dated and initialled adjacent the recommendations. All operators must read and understand the entire contents of this section prior to operating this item of plant.

HAZARD(S)	Prelim. Risk	Residual Risk	Time	Due Date	Date	Initial
HAZARD(3)	Rating	Rating	Frame	Due Date	Rectified	IIIItiai

SECTION 5 RISK TREATMENTS IN PLACE

This section of the report pertains to risk treatments currently in place on this item of plant. This section must be read in conjunction with the safety section of the manufacturers handbook. All operators must read and understand the entire contents of this section prior to operating this item of plant. These treatments or equivalent must remain in place at all times whilst this item of plant is in operation.

HAZARD(S) Prelim. Risk Rating **Residual Risk Rating** ELIVERY CRUSHING HIGH 22 MEDIUM 15 Risk Treatments in Place: SWMS Load Restraint Ensure that all operators follow the approved SWMS/SOP when restraining this machine for transport. References: Work Health & Safety Act & Regulations-**CRUSHING** HIGH 22 MEDIUM 15 **Risk Treatments in Place: Certified Lifting Points** This item of plant is fitted with an approved lifting point(s) (crane attachment point(s)). When lifting by crane this point must be used, if more than one point is present then all must be used. References: ISO31000 **OPERATION INCORRECT OPERATION** CRITICAL 24 MEDIUM 15 **Risk Treatments in Place: Operator Competency** Only persons who are qualified, trained and experienced and/or hold the relevant certification/license can operate this item of plant. If there is not a competent/licensed person available for operation of this item of plant then only persons who are supervised by a competent/licensed person can operate this item of plant. References: Work Health & Safety Act & Regulations-**INCORRECT OPERATION** HIGH 22 MEDIUM 15 **Risk Treatments in Place: Operation Handbook** The manufacturer's operation handbook has been supplied for this item of plant. This handbook must be available at all times to all potential operators and supervisory staff. All potential operators must read and be familiar with this handbook prior to operating. A complete risk assessment/Job Safety Analysis must be undertaken covering all operating processes and environments associated with this item of plant. SWMS should be produced for specific tasks associated with use of this item of plant. References: Work Health & Safety Act & Regulations-





Make Atlas Copco Model QAS250

Type Generator - Fixed/Transportable

Serial Number Assessed By Date ESF503110 Kevin Ennis 29-Jan-2018

HAZARD(S)	Prelim. Risk Rating	Residual Risk Rating			
INCORRECT OPERATION	HIGH 22	MEDIUM 15			
Risk Treatments in Place: Pre-op Checklist Generator					
A pre-operational checklist is available for this Generator. All operators must complete t	nis checklist prior to operating t	his Generator.			
References: Work Health & Safety Act & Regulations-					

Risk Treatments in Place: SOP Generator

Safe Operation Procedures are available for this Generator. The information in the Safe Operation Procedures must be followed at all times whilst operating this Generator.

References: Work Health & Safety Act & Regulations-

INCORRECT OPERATION



INCORRECT OPERATION

HIGH 22

HIGH 22

MEDIUM 15

MEDIUM 15

Risk Treatments in Place: Control Labels

All controls including all levers, buttons, pedals, switches etc. are clearly labelled as to their purpose and method of operation. These labels must be maintained in a clean and serviceable condition at all times.

References: AS/NZS4024.1905



HIGH 22

MEDIUM 15

Risk Treatments in Place: Engine

Review Safe Operation Procedures to ensure the existence of the following:

FUEL COMBUSTION ENGINES SAFE OPERATION PROCEDURES

- 1. Switch off the engine before refueling.
- 2. NEVER smoke in the vicinity of, and keep sources of sparks away from, any flammable liquid or fuel.
- 3. Let the engine cool down before refueling.
- 4. Fuels can contain substances similar to solvents. Eyes and skin should not come in contact with mineral oil products. Always wear protective gloves when refueling (not regular work gloves!). Frequently clean and change protective clothes. Do not breathe in fuel vapours. Inhalation of fuel vapours can be hazardous to your respiratory health.
- 5. Use extreme care when filling fuel tanks.
- 6. Exercise care not to spill fuel. If a spill over the engine occurs, clean and dry the engine immediately. Fuel should not come in contact with clothes. If your clothes have become contaminated with fuel, change out of them at once. Undertake refilling operations over a non porous surface such cement or preferably within a bunded area to avoid spilling fuel on the ground (environmental protection).
- 7. Do not refuel any fuel tank or container in a closed unventilated area. Without effective ventilation, fuel vapours will accumulate near the floor creating a risk of explosion and/or causing dizziness and possible unconsciousness in nearby persons.
- 8. Ensure to correctly fit and firmly tighten the screw cap of the fuel tank.
- 9. Before starting the engine, move to a location at least 3 metres from where you fuelled the engine, but not within the extended swing range of the cutting disc (direction of sparks if appropriate).
- 10. Fuel cannot be stored for an unlimited period of time. Buy only as much as will be consumed in the short term.
- 11. When making up the fuel/oil mixture, always put the oil in the mixing container first, and then the fuel.
- 12. Use only approved and appropriately marked containers for the transport and storage of fuel.
- 13. Keep children away from fuel, fuel storage and operating machinery!
- 14. Where possible, keep an appropriate fire extinguisher nearby during operations utilising flammable liquids
- 15. Never operate an internal combustion engine inside your home, basement, garage or any other enclosed area. The engine needs a minimum of 1 to 2 metres of spacing on all sides (including the top). An engine needs an unlimited supply of fresh air for proper cooling during operation.
- 16. Properly locate the engine outdoors away from doors and windows. An open door or window will allow dangerous exhaust fumes to enter the building. Since combustion engines create carbon monoxide, which can be lethal, good ventilation is critical. Keep the engine dry and always operate it on a level surface.

References: Work Health & Safety Act & Regulations-



ENTANGLEMENT, SHEARING, PINCHING

HIGH 22

MEDIUM 15

Risk Treatments in Place: Guarding Label

All the belts, pulleys and gears are guarded. These guards must be present, fully functional and serviceable at all times whilst this item of plant is in operation and the labels re: do not open or remove while engine is runnining must be in place and easily seen at all times.

References: AS/NZS4024.1201





Make Atlas Copco

Type Generator - Fixed/Transportable

Serial Number Assessed By Date ESF503110 Kevin Ennis 29-Jan-2018

HAZARD(S)	Prelim. Risk Rating	Residual Risk Rating
POISONING, EXPLOSION, BURNS	HIGH 22	MEDIUM 15

Risk Treatments in Place: Tank ID Label

The tank(s) on this item of plant have clear, legible label(s) identifying their contents, and if appropriate any necessary controls re: the contents. These must be present, clear and legible at all times. (this includes radiator, hydraulic and petrol/diesel tanks)

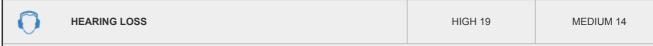
References: Work Health & Safety Act & Regulations-

0	HEARING LOSS	HIGH 19	MEDIUM 14
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Risk Treatments in Place: Hearing Protection Label - Bystanders

The hazard warning labels re: wearing of hearing protection for bystanders attached to this item of plant refer to the level of noise produced. Permanent hearing damage will result if hearing protection is not worn. These labels must be present, clear and legible at all times whilst this item of plant is in operation.

References: AS/NZS1269, AS3781-



Risk Treatments in Place: Hearing Protection Label - Operator

The hazard warning label(s) re: wearing of hearing protection attached to this item of plant refer to the level of noise produced. Permanent hearing damage will result if hearing protection is not worn. These labels must be present, clear and legible at all times whilst this item of plant is in operation.

References: AS/NZS1269, AS3781-



BURNS, ENTANGLEMENT, SHEARING

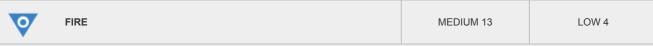
HIGH 19

MEDIUM 13

Risk Treatments in Place: Engine Guard Label

The engine fan and alternator belts, pulleys and gears are guarded. These guards have clear legible hazard warning labels re do not open or remove guards while engine is running. These labels must be present, legible and easily seen at all times whilst this item of plant is in operation.

References: AS1319-, AS/NZS4024.1201



Risk Treatments in Place: Fire Extinguisher

This item of plant is fitted with an approved and maintained fire extinguisher. Fire extinguisher(s) must be present and fully functional at all times. They must be readily accessible to the operator. Regular inspections must also be carried out in accordance with the manufacturer's requirements and AS 1851 – 1995

References: AS/NZS1841, AS1851



CUTTING, ENTANGLEMENT, SHEARING

HIGH 22

MEDIUM 15

Risk Treatments in Place: Emergency Stop Device

This item of plant is fitted with an emergency stop device.

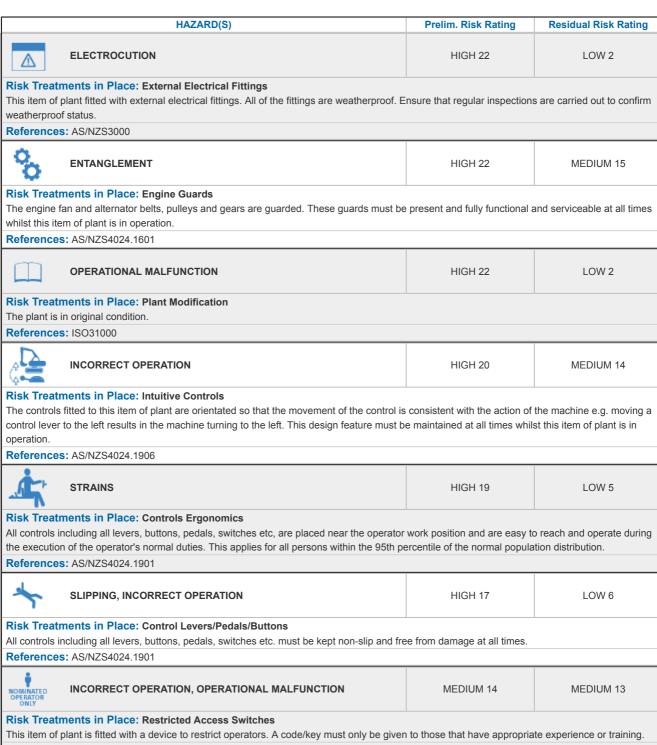
The emergency stop must meet all of the following criteria whilst this item of plant is in operation:

- 1. Is operational
- 2. Is coloured red with yellow background
- 3. Is clearly labeled as to purpose and method of operation
- 4. Is easily accessible to the operator(s) at all times whilst operating this item of plant
- 5. Resetting of emergency stop does not automatically restart machine
- 6. Is located at each operator control station.

References: AS/NZS4024.1604







References: AS/NZS4024.1201

BATTERY

ELECTRIC SHOCK, BURNS

COVER

MEDIUM 12

LOW 6

Risk Treatments in Place: Battery Cover

All batteries fitted to this item of plant are constrained to prevent displacement & fitted with a permanent sturdy cover which allows for ventilation. The constraint and cover must be present and fully functional and serviceable at all times whilst this item of plant is in operation.

References: AS/NZS4024.1201





HAZARD(S)	Prelim. Risk Rating	Residual Risk Rating
BURNS	MEDIUM 9	LOW 5

Risk Treatments in Place: Exhaust

The engine exhaust on this item of plant is fitted with a guard to prevent injury to any person and control the risk of initiating a fire. It must be present and fully functional and serviceable at all times whilst this item of plant is in operation.

References: AS/NZS4024.1201



CURRENT OR PREVIOUS STRUCTURAL DAMAGE

CRITICAL 25

MEDIUM 15

Risk Treatments in Place: Structural Integrity

Regular checks for structural damage must be undertaken. Look for cracks in frames/chassis (current or repaired), bends or damage to structural components, etc.

References: ISO31000



INCORRECT OPERATION

HIGH 22

MEDIUM 15

Risk Treatments in Place: Maintenance Manual

The manufacturer's maintenance manual(s) has been supplied for this item of plant

These manual(s) must be available at all times to all users and maintenance staff of this item of plant. All users and maintenance staff must read and be familiar with these handbook(s) prior to maintaining or repairing this item of plant.

A complete risk assessment/JSEA must be undertaken covering all inspection, maintenance, servicing and transportation requirements of this piece of plant prior to use.

A full assessment of the competence of people using the book(s) must also be undertaken

References: Work Health & Safety Act & Regulations-



OPERATIONAL MALFUNCTION

HIGH 22

LOW 2

Risk Treatments in Place: Major Fluid Leaks

This item of plant must remain free from leaks at all times whilst in operation (this includes engine, transmission, cooling system, air, fuel, drive line, wheel hubs, steering and hydraulics). Development of a major leak will require this item of plant to be stood-down until repaired. Minor leaks detected must be repaired within 1-14 days.

References: ISO31000



OPERATIONAL MALFUNCTION

HIGH 21

MEDIUM 15

Risk Treatments in Place: Service Records

Service and maintenance records are available for this item of plant.

These records must continue to be maintained and stored in a secure area as part of your plant safety management programme. This programme includes the undertaking of regular inspections concerning the general condition of the item of plant including (but not limited to) tyre condition, oil levels and wear and tear on critical items such as brakes and steering, etc. All OEM prescribed, scheduled and non scheduled maintenance must also be documented as part of these records and attended to within a risk management framework.

References: Work Health & Safety Act & Regulations-

SECTION 6 IMAGES AND NOTES

IMAGES

- No Images Available -

NOTES











RISK MANAGEMENT REPORT

TYPE	Generator - Fixed/Transportable	Report Number	RED 20180129-1630
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SERIAL NUMBER	ESF503110	Assessor	Kevin Ennis
		Assist. Assessor(s)	
		Owner	Redstar Equipment
		Customer Name	Hire Express
		Assessment Purpose Sale	
		State	NSW

PURCHASER ACKNOWLEDGEMENT

I the undersigned acknowledge that I have read and understand the risk management report described above. I also acknowledge that I have recieved a copy of this risk management report. I also acknowledge that I am authorised to sign on behalf of the purchaser.

Name
Company Name
Position
Signature
Date
The manufacturer's operational & maintenance handbooks have been supplied, (circle one) YES NO (initial)
Please transfer this assessment to my Plant Assessor membership as a (circle one) HIRE / PLANT IN USE assessment.
My Plant Assessor email is

