



## RISK MANAGEMENT SURVEY

<b>Report Number</b>	ACEA 20230427-1758
<b>Date</b>	27-Apr-2023
<b>Created By</b>	Phil Ryan
<b>Assessor</b>	Phil Ryan
<b>Assist. Assessor(s)</b>	
<b>Owner</b>	Atlas CEA
<b>Make</b>	Atlas Copco
<b>Model</b>	QES 60
<b>Type</b>	Generator - Fixed/Transportable
<b>Serial Number</b>	WUX961708
<b>Customer Name</b>	Matko Hire
<b>Assessment Purpose</b>	Hire
<b>State</b>	VIC

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### SECTION 1 IMPORTANT INFORMATION

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This survey has three sections -

1. Front Cover - Ensure that your machine details are correct.
2. Features - Please confirm existing information is correct.
3. Questions - Please answer ALL questions. Each question must be answered accurately and the appropriate notes added to the Notes section at the end of the questions.

If you have any questions about this survey please call Online Safety Systems on 1300 72 88 52

# MACHINE DETAILS

**Make - Model:** Atlas Copco - QES 60  
**Type:** Generator - Fixed/Transportable  
**Serial Number:** WUX961708

**Inspected By:** Phil Ryan  
**Inspected On:** 27 Apr 23 - 8:32 PM

## SECTION 2 STANDARD SPECS

### - NOISE TEST RESULTS

1. Manufacturers specified noise level dBA	68
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### CAPACITIES

Fuel Tank Capacity (Litres)	104
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### DIMENSIONS/WEIGHTS

Dry Weight (kg)	1400
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L x W x H (mm)	2300/1130/2015
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Max Operating Weight (kg)	1680
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### ELECTRICAL

Amperage (amps)	
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Current (watts)	53kW
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Frequency (Hz)	50
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Voltage (volts)	400
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### ENGINE

Engine Displacement (Litres)	3.9
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Engine Hours	
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Engine Make & Model	Cummins 4BTA3.9
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Engine Number	82257783
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Engine Power (kW@rpm)	58/1500 RPM
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Fuel: Petrol/Diesel/Gas	Diesel
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Number of Cylinders	4
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### WORK CAPABILITIES

Max Output	60kVA
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**SECTION 2 STANDARD SPECS** (CONTINUED)

**ARE ANY OF THESE EXTRAS FITTED TO THE UNIT?**

EXTRA	Y/N	DETAILS
Other	<input type="checkbox"/>	

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### SECTION 3 QUESTIONS

#### INFORMATION

Is the manufacturer's operation handbook available for this item of plant? (You cannot answer N/A)	<input type="checkbox"/> Y	<input type="checkbox"/> N
Is the manufacturer's maintenance manual(s) available for this item of plant? (You cannot answer N/A)	<input type="checkbox"/> Y	<input type="checkbox"/> N
Are the service and maintenance records available for this item of plant? (You cannot answer N/A)	<input type="checkbox"/> Y	<input type="checkbox"/> N
Is a pre-operational safety checklist available for this Generator? (You cannot answer N/A)	<input type="checkbox"/> Y	<input type="checkbox"/> N
Are Safe Operation Procedures available for this Generator? (You cannot answer N/A)	<input type="checkbox"/> Y	<input type="checkbox"/> N
Are all persons who operate this item of plant qualified, trained and experienced to do so, and where necessary do they hold the relevant certification/license?	<input type="checkbox"/> Y	<input type="checkbox"/> N
Are specific load restraint guidelines/SWMS/SOP available when restraining this item of plant on to the load deck of a truck or trailer?	<input type="checkbox"/> Y	<input type="checkbox"/> N

#### CONTROLS

Are all controls including all levers, buttons, pedals, switches etc. ergonomically placed in relation to the operator work position?	<input type="checkbox"/> Y	<input type="checkbox"/> N	<input type="checkbox"/> N/A
Are all controls including all levers, buttons, pedals, switches etc. clearly labelled as to their purpose and method of operation?	<input type="checkbox"/> Y	<input type="checkbox"/> N	<input type="checkbox"/> N/A
Are all controls orientated so that the movement of the control is consistent with the action of the machine e.g. moving a control lever to the left results in the machine turning to the left?	<input type="checkbox"/> Y	<input type="checkbox"/> N	<input type="checkbox"/> N/A
Are all controls including all levers, buttons, pedals, switches etc. non-slip and free from damage?	<input type="checkbox"/> Y	<input type="checkbox"/> N	<input type="checkbox"/> N/A
Is this item of plant fitted with restricted operator access e.g. a key operated On/Off switch?	<input type="checkbox"/> Y	<input type="checkbox"/> N	<input type="checkbox"/> N/A
Does this item of plant have an emergency stop device which meets the following criteria? 1. Is operational 2. Is coloured red with yellow background 3. Is easily accessible to the operator(s) at all times whilst operating this item of plant 4. Resetting of emergency stop does not automatically restart machine 5. Is located at each operator control station.	<input type="checkbox"/> Y	<input type="checkbox"/> N	<input type="checkbox"/> N/A
Are the emergency stop(s) fitted to this item of plant clearly labelled as to the purpose and method of operation? (Answer N/A if no emergency stops fitted)	<input type="checkbox"/> Y	<input type="checkbox"/> N	<input type="checkbox"/> N/A

#### PPE

Does this item of plant have a hazard warning label attached adjacent the operator work area re: wearing of hearing protection? [Answer N/A if the SPL(sound pressure level) is less than 85 dB(A) at the operator work area]	<input type="checkbox"/> Y	<input type="checkbox"/> N	<input type="checkbox"/> N/A
Does this item of plant have hazard warning labels attached which are visible to bystanders from a distance of 10m re: wearing of hearing protection? [Answer N/A if the SPL(sound pressure level) is less than 85 dB(A) at a distance of 6m]	<input type="checkbox"/> Y	<input type="checkbox"/> N	<input type="checkbox"/> N/A

#### ELECTRICAL

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Is this item of plant designed for outdoor use and fitted with any external electrical fittings, fixtures or sockets, (answer n/a if designed for indoor use only or no external electrical fittings), if so are all fittings, fixtures and sockets weatherproof with an IP rating of IP23 as a minimum?

Y	N	N/A
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Are all exposed electrical components including switches and conduits free from any damage, securely and permanently attached?

Y	N	N/A
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Does this generator have a rated power output up to 25KW (31kVA), if so is it permanently marked with the following information: (answer N/A if power output greater than 25KW)

- (a) The name of the manufacturer
- (b) The model number and serial number
- (c) The type of fuel or fuel-oil mixture
- (d) Rated output in watts or kilowatts at a stated power factor
- (e) The voltage and frequency
- (f) Output terminal markings (unless all outputs are socket outlets)
- (g) The frame terminal: "Earth Symbol" or "Frame"
- (h) On a generating set intended for undercover or weather-protected usage, the words "NOT WEATHERPROOF"
- (i) On a generating set intended for outdoor use without further protection, the IP classification of its electrical equipment
- (j) A warning as follows:  
"WARNING: THE OUTPUT OF THIS GENERATING SET IS POTENTIALLY LETHAL. THE SET SHALL NOT BE CONNECTED TO A FIXED ELECTRICAL INSTALLATION BY FIXED WIRING EXCEPT BY AN APPROPRIATELY LICENSED PERSON. SEE INSTRUCTION MANUAL"?

Y	N	N/A
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(If you answer no to this question document which requirement is not met in the assessor comments for this question)

### LIFTING COMPONENTS

Is this item of plant fitted with a lifting point(s) (crane attachment point(s)) which is manufacturer or engineering certified?

Y	N	N/A
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### ENGINE

Is this item of plant powered by/fitted with a petrol/diesel engine?

Y	N	N/A
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Do the engine fan, alternator belts, pulleys and gears have a sturdy permanently attached guard(s)?

Y	N	N/A
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Do all engine guards have a clear and legible hazard warning label present which states that the guard must not be opened or removed unless the engine is not running and all moving parts have stopped?

Y	N	N/A
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Is the engine exhaust guarded to prevent injury to any person and control the risk of initiating a fire?

Y	N	N/A
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### BATTERY

Are all batteries fitted to this item of plant constrained to prevent displacement & fitted with a permanent sturdy cover which allows for ventilation?

Y	N	N/A
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### HYDRAULICS

Does this item of plant have hydraulic hoses? (You cannot answer n/a to this question)

Y	N	
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Are all hydraulic hoses and fittings free from damage and protected from damage at all points where the hoses come into contact with the plant structure? (if this item of plant does not have hydraulic hoses answer n/a), (if you answer no to this question document the location of the damage/contact in the assessor comments section for this question)

Y	N	N/A
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Are all hydraulic hoses and fittings located or shielded to protect the operator from injury due to fluid jet or movement (whiplash) of the hose as a result of leakage or component failure?  
(Diffusion sleeving can act as a shield but must be attached to the fitting not the hose)

<input type="checkbox"/> Y	<input type="checkbox"/> N	<input type="checkbox"/> N/A
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### CHASSIS

Is there a fire extinguisher mounted adjacent to the operators area, tagged and inspected periodically as prescribed by AS 1851?

<input type="checkbox"/> Y	<input type="checkbox"/> N	<input type="checkbox"/> N/A
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Are all belts, pulleys and gears effectively guarded and do these guards have a clear and legible hazard warning label present which states that the guard must not be opened or removed unless the engine is not running and all moving parts have stopped?

<input type="checkbox"/> Y	<input type="checkbox"/> N	<input type="checkbox"/> N/A
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Do the tank(s) on this item of plant carry a clear, legible label identifying their contents, and if appropriate any necessary controls re: those contents? (this includes radiator, hydraulic and petrol/diesel tanks)

<input type="checkbox"/> Y	<input type="checkbox"/> N	<input type="checkbox"/> N/A
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### PLANT CONDITION

Is this item of plant free from any major leaks? (this includes engine, transmission, cooling system, air, fuel, drive line, wheel hubs, steering and hydraulics). If "no", indicate position of leak in the assessor comments section for this question.

<input type="checkbox"/> Y	<input type="checkbox"/> N	<input type="checkbox"/> N/A
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Is this item of plant in original condition, ie free from any form of modification or upgrade? (If you answer NO, i.e. there is some modification, please document location, type of modification and date if known in the assessor comments section for this question)

<input type="checkbox"/> Y	<input type="checkbox"/> N
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Is this item of plant free from any structural damage? E.g. cracks in frames/chassis (current or repaired), bends or damage to structural components, etc. (If you answer NO, i.e. there is some structural damage, past or present, please document location and type in the assessor comments section for this question)

<input type="checkbox"/> Y	<input type="checkbox"/> N
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<END OF RISK MANAGEMENT SURVEY>