

## 1008 Safety Guidance

Diesel is highly flammable. Care must be taken not to

Electricity can be hazardous and must always be used with

The glare produced by the electric arc during welding is

This welder is designed to weld metals like iron and steel.

cause a fire or explosion.

harmful to the eyes and skin.

It will not weld metals like aluminium.

great care.



### **Using the Arc Welder**

- Wear protective equipment especially a welding helmet.
- Care must be taken to avoid an electric shock from the welding cables.
- Work should not be carried out in damp or wet conditions.
- Check that the welding cables are connected properly. The machine must be switched off if any adjustments need to be made, including changing rods or the welding
- The cables should be uncoiled completely. A good connection must be made on the workpiece close to the part to be welded.
- The welding rod should always be put down on an insulated surface. If it touches the workpiece or earth, it could strike an arc.
- Goggles must be worn to protect the eyes when chipping the slag off.
- The welder may switch itself off if it is overloaded. It should be allowed to cool down before restarting. If this happens repeatedly, check with an electrician or the hire
- Any welding will remain hot for some time. Make sure no-one touches it. Do not cool
- 10. The engine should be stopped before the machine is left unattended
- 11. If the equipment does not work properly, operators should not attempt to repair it.

#### Please keep this leaflet safely as it may be required for future reference







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controls must be used. company. Only the proper RUN / STOP regarded as misuse by the hire may damage the engine and will be naing the decompression lever. 14. The engine should never be stopped

should then be re-started. auıbua au i using the stop control. The engine should be stopped the engine fires up, they should not try to 13. If the operator lets go of the handle when

handle off the shaft. 12. If the engine is now running, slide the

again from instruction / above. doesn't the steps should be tollowed smoothly. The engine should fire up. If it before lowering the decompression leve 11. The engine should be cranked strongly

wrapped around the nandle, and the important. The thumb could be proken it side as the fingers si sint handle. It should be kept on the same auonia not be wrapped around the firmly in one hand - but the thumb 10. The starting handle should be grasped

starting from cold. button, this should be pressed where If the engine is fitted with a cold start

rue decompression position. 8. Move the decompression valve lever into

also that the handle slides on and off the the ratchet mechanism works. Check check it by turning it anti-clockwise that Fit the starting handle to the shaft, and

conld get caught. flapping sleeves or loose clothing that the engine. Also make sure there are no GIOVES must not be worn when starting

- uonisod Check that the throttle lever is in the IDLE
- Move the STOP control to the RUN before trying to start the machine. 3. The oil and fuel levels should be checked
- instructions below.
- instructions, these must be tollowed. Otherwise operators must follow the It the hire company has provided special
- This section describes the starting procedure for most diesel-engined arc

#### STARTING THE ENGINE

properly, and the fuel can moved to a safe. All fuel caps should be put back on

should be changed immediately. If any fuel is spilled on clothes, they

If any fuel is spilled on the ground, it should be wiped up or covered with soil.

of fuel soaked cloth carefully. Wipe any fuel off the machine. Dispose

refueling. Operators must take care not to spill fuel on themselves or the Use a funnel and clean diesel when refueling. Operators must take care not

cleaned to prevent dirt falling into the The filter cap and area around it should

moved away from the work area. If possible the arc welder should be

18. Operators should make sure that they understand all of the controls. Before starting the welder it must be Ensure there is adequate air flow.

Stop the engine and allow it to cool

This machine will get hot in use. The sir vents in the case must not be covered.

The welding machine should be kept out of the rain – it should not be allowed to not be welded - it is likely to explode.

Petrol tanks or anything that has contained flammable liquid or gas must combany.

Check the welder, engine and all equipment. Do not use anything found to be damaged – contact the hire

#### ARC WELDER

welding current may make them hot. Watches and rings must be removed before starting work. The action of the need to wear personal protective equipment.

Anybody who is working nearby will also

purns easily. pased ciorning must be avoided because it cotton overalls and safety boots or strong shoes must be worn. Rubber or nylon based clothing must be avoided because it sparks, can burn me skin,





# The action of this welder can cause injury or damage if the machine is not used in a

careful and controlled way. It is quite heavy, care must be taken when moving it. If operators have not used the arc welder before, they should practice using some

**Arc Welder** 

Read this entire leaflet before using the Arc Welder

scrap metal before starting on the main task. The work should be planned ahead and thought out to make sure it will always be carried out safely.

The following items of personal protective equipment must be worn as a minimum: Dust mask – a minimum of EN149 FFP3(s) protection; Ear muffs or plugs giving protection for levels up to 94 dB(A):

Welding mask: EN166/EN169/EN175 or BS679/1542; Impact resistant goggles: EN166 - B or BS2092 grade 1; Gloves

This machine must not be used by minors, or by anyone under the influence of drugs or alcohol

10. This arc welder is designed for operation by an able bodied adult. Anyone with either a temporary or permanent disability must seek expert advice before using it.







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**BEFUELLING** 

known now to stop it.





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e. The glare and heat from the arc, and the A welding mask must be worn when

An appropriate dust mask must be wom (with a minimum of EN149 FFP3(s) protection) if the work produces hazardous fumes.

Impact resistant goggles must be worn when chipping slag off the workpiece.

This equipment is likely to cause noise levels up to 97 dB(A) – appropriate ear muffs or plugs giving hearing protection to this level as a minimum must be morn

environments may require a higher level protective equipment (ppe) must be worn as a minimum whenever this machine is used. Particular jobs or bersonar ,to The following items

#### **SHOTARIA**

there is nothing nearby that would burn The hot sparks could start a fire, check creens should be used.

Protect other people from the noise, and glare from the arc, a welding booth or

sause a distraction. and that no-one is nearby who could Make sure that the area is clear and safe

always ventilation will almost other indoor situations if its suitability and the ventilation required has been the ventilation required was assessed. Mechanical extraction will assessed a vertilation of the property of t it in domestic premises and only use it in Using this equipment indoors or confined spaces could cause tall canon monoxide poisoning. Mever ut it in domestic premises and only use it is domestic premises and only use it.

from petrol, or gas cylinders. Do not use this welder where there is a danger of explosion. It will ignite fumes from patrol or ass eviliadors

**WORK AREA** 

