

Before Starting Work.

1

uousod

voitisod

elders.

cool place.

.enidosm

inel tank.

instructions below.

STARTING THE ENGINE

. و

·•

.s

٦.

'6

.8

.,

- '9

·9

't

3

121 380 4600

e.org.uk

44 (0) 121 333 4109

www.hae.org.uk

Check that the throttle lever is in the IDLE

Move the STOP control to the RUN

instructions, these must be followed. Otherwise operators must follow the

It the hire company has provided special

This section describes the starting procedure for most diesel-engined arc

properly, and the fuel can moved to a safe

All fuel caps should be put back on

It any fuel is spilled on clothes, they

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

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. It possible the arc welder should be

should be changed immediately.

of fuel soaked cloth carefully.

before trying to start the machine.

3. The oil and fuel levels should be checked

AAHA XHOW

- from petrol, or gas cylinders. Do not use this welder where there is a danger of explosion. It will ignite fumes 1
- síæmje ventilation will almost əα tilidatius sti it snoitsutis nooto in oto and soits soits of a solution required has been routostical extraction fully assesses fully to the tagente fully assesses the tagente for the solution of a superior to the solution of the solution it in domestic premises and only use it in Using this equipment indoors or contined spaces could cause fail carbon monoxide poisoning. **Never** us it in domestic premises and only use it 16161 'Z
- and that no-one is nearby who could Make sure that the area is clear and safe 3. required.
- Protect other people from the noise, and glare from the arc, a welding booth or °ŧ ause a distraction.
- The hot sparks could start a fire, check **'**G creens should be used.
- there is nothing nearby that would burn

- bersonal , to The following items -1 **SROTAR340**
- or protection. environments may require a higher level protective equipment (pp) must be worn as a minimum whenever this obsorved. Particular jobs or protection and an and a set.
- This equipment is likely to cause noise levels up to 97 dB(A) appropriate ear muffs or plugs giving hearing protection up this level as a minimum must be **.**2
- .mow
- Impact resistant goggles must be worn when chipping slag off the workpiece. 31
- °t

- An appropriate dust mask must be worn (with a minimum of EN149 FFP3(s) protection) if the work produces hazardous tumes.
- A welding mask must be worn when ۰c
- using the welder.

e. The glare and heat from the arc, and the

'umop Stop the engine and allow it to cool .s

The Crescent Birmingham Business Park :lism3 44 (0) 121 330 4600 44 (0) 121 333 4109 มกอา ระบอดอา กระ vesociation ⊨urope

3YT TEB Iludilos mail@hae.org.uk www.hae.org.uk

· по зтокілд.

BEFUELLING

າອຸທ າອຄິ

company.

ARC WELDER

nuz essily.

'G

°t

3.

.s

1

-8

2

Known now to stop it.

18. Operators should make sure that they understand all of the controls. Before starting the welder it must be

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

The welding machine should be kept out of the rain – it should not be allowed to

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

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

weiging 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

pased ciorning must be avoided because it

cotton overalls and safety boots or strong shoes must be worn. Rubber or nylon

sever, can burn the skin, canvas gloves

not be welded – it is likely to explode.

Ensure there is adequate air flow.

have the force of law and only the courts can authoritatively interpret the law.

- effort has been made by HAE/EHA to ensure that the information given in this docum is accurate and not misleading. HAE/EHA cannot accept responsibility for any loss or liability perceived to have arisen from the use of any such document/material. Only Acts of Parliament and Statutory Instruments





a temporary or permanent disability must seek expert advice before using it.

- 5. 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
- 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
- 9 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



Arc Welder

- 1. cause a fire or explosion. 2
 - Electricity can be hazardous and must always be used with
- great care. 3 The glare produced by the electric arc during welding is
 - harmful to the eyes and skin
 - This welder is designed to weld metals like iron and steel.
 - It will not weld metals like aluminium.

Frank Key. PLANT & Key. TOOL HIRE



Wear protective equipment especially a welding helmet.

Work should not be carried out in damp or wet conditions.

workpiece close to the part to be welded.

workpiece or earth, it could strike an arc.

Care must be taken to avoid an electric shock from the welding cables.

Goggles must be worn to protect the eyes when chipping the slag off.

10. The engine should be stopped before the machine is left unattended

2450 Regents Court

mingham Busi lihull B37 7YE

The C

controls must be used.

should then be re-started.

using the stop control.

handle off the shaft.

eudine kicks back.

starting from cold.

shaft easily.

.9

conid get caught.

eide as the fingers -

rue decompression position.

. . Grap It.

company. Only the proper RUN / STOP

regarded as misuse by the hire

may damage the engine and will be

the engine fires up, they should not try to

pewollot ed bloud and bloud be tollowed

smoothly. The engine should fire up. If it

wrapped around the handle, and the

important. The thump could be proken it

handle. It should be kept on the same

suonia uoi pe wrappea arouna ine

firmly in one hand - but the thumb

button, this should be pressed when

If the engine is fitted with a cold start

aiso 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

flapping sleeves or loose clothing that

the engine. Also make sure there are no Guiners must not be worn when starting

8. Move the decompression valve lever into

10. The starting handle should be grasped

before lowering the decompression leve

11. The engine should be cranked strongly

13. If the operator lets go of the handle when

12. If the engine is now running, slide the

again from instruction / above.

The engine should be stopped

SILLI

very

si siyi

anipna an i

using the decompression lever.

14. The engine should never be stopped

1.

2.

3.

4.

5.

6.

7.

8.

9.

current.

company.

with water.

Contact the hire company.

For guidance on managing

construction health risks go to

www.hse.gov.uk/construction

Using the Arc Welder

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

The welding rod should always be put down on an insulated surface. If it touches the

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

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

©Copyright Hire Association Europe April 2011

Any unsuffortised reproduction – manually or electronically – is STHICILY prohibited