



For guidance on managing construction health risks go to

www.hse.gov.uk/construction



2803 Safety Guidance

It is important to read this entire leaflet BEFORE

using the Hydraulic Breaker

stone, tarmac and similar surfaces.

Petrol is highly flammable. Take care not to cause a fire or

FTH HIRE GROUP

HYDRAULIC SAFETY

- Hydraulic oil is dangerous, keep it away from eyes and mouth, and wash it off your skin immediately.
- The hydraulic system has been checked and topped up by the hire company. You only need to check the hydraulic oil level by looking at the sight glass. If the oil level is low contact the hire company.
- If you get hydraulic oil on your clothes change them immediately.
- The hydraulic oil is pressurised up to 125 bar (1800 psi). Do not attempt any repair or adjustment.
- Do not try to stop a leak by pressing a thumb over it. Hydraulic oil under pressure can penetrate the skin with serious results. It is also very hot. Keep clear of leaks

USING THE BREAKER HYDRAULIC POWERPACK

- Wear your protective equipment including ear defenders and safety boots.
- 2 Do not operate the breaker until the tool is on the work surface. Do not operate the breaker if the tool has no load.
- Watch out for signs that vibration may be affecting your hands. If your fingers start to tingle or feel numb, take a short break from using the breaker. Exercise your fingers to encourage blood circles
- To help prevent vibration affecting your hands, operate the machine for shorter periods. Keep your hands warm - wearing gloves may help do this.
- Always start each operation with the breaker at the right angles to the work surface to prevent the tool skating across the surface to be broken.
- On solid concrete area use a point. Start near the edges and work to a pattern.
- Do not use the breaker as a lever to prise open the work area 7.
- Do not try to lever free a tool jammed in the work surface. Instead release the tool from the breaker and insert another one. Use this second tool to break up the ground and free the first tool.
- Keep the hydraulic hoses clear of your work area.
- Do not stretch the hoses as you extend your work area, move the power pack.
- 11. Do not drag the power pack by pulling on the hoses.
- 12. If you think a hose is damaged or leaking, stop work, stop the engine and release the pressure by moving the flow control lever to minimum and squeezing the trigger on the breaker.
- 13. Stop the engine before leaving the equipment unattended.
- 14. If you think the equipment is faulty, or does not work properly do not attempt to repair it, contact the
- 15. You may want to read this leaflet again. Please keep it until you finish work.

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







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The Crescent











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switch, close the fuel valve and turn the If your power pack is equipped with an engin

Close the fuel valve.

the power pack to stop the engine Push in the stop button on the main panel of

STOPPING THE ENGINE

starting from cold" above instruction 5 onwards, given in the section Follow the rest of the instructions from and check that the fuel valve is open.

Set the choke lever to the fully open position MAAW MORT DNITRATS

engine warm up before starting work.

11. In cold weather, you may need to let the controls are in the correct position.

sufficient petrol and oil, and that all the 10. If the engine did not start, check that there is gradually as the engine warms up.

If the engine is now running set the choke control to half position. You can open it gradually as the engine warms up

cande the cord back into place so that it

quickly and strongly. Don't pull it too far, or it slowly until you can feel that the starter has engaged with the engine, and then pull it With your left hand, pull out the starter handle

the informe operation is automatic on this

switch, turn it to the ON position. If your power pack is equipped with an engine

CIOSE IUE CUOKEL IEVEL пте споке течег ру ите starter puir nariure. Open the fuel valve, which is located under

company. the engine. If the oil is low contact the hire cord. Check the oil level before you try to start warning light will flash as you pull the starter

it the oil system has stopped the engine oil

ting, or stop the engine from running if the system that will prevent the engine from

The engine may have a low oil warning STARTING FROM COLD

STARTING THE ENGINE

onr fuel can to a safe, cool place

Put all fuel caps back on properly, and move them straight away.

It you spill any tuel on your clothes, change OF COVER IT WILLT SOIL. If you spill any fuel on the ground, wipe it up

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

Do not spill any fuel on yourself or the

Use a funnel and clean petrol when refuelling. prevent dirt railing into the fuel tank.

Clean the filter cap and the area around it to

It possible move the machine away from your 3.

Stop the engine and let it cool down.

BEFUELLING

on the ground where they might get dirty Do not drop the disconnected hose couplings sdneezing the trigger on the preaker.

moving the flow control lever to minimum and hoses while the system is pressurised. Stop the engine and release the pressure by Do not attempt to uncouple the hydraulic













This hydraulic breaker is designed for breaking concrete, The action of this hydraulic powerpack can cause injury or damage if the machine is not used in a careful and controlled way If you have not used a hydraulic powerpack before, familiarise yourself with the machine on some straight forward work before you start on the main task.

Plan your work and think ahead to make sure you will always be working safely. You must have at least the following items of personal protective equipment:

JCB Beaver Hydraulic Breaker

The rules and procedures in force where people are at work may require the person responsible for this equipment to carry out a specific risk assessment.

Goggles: Impact resistant EN166 - B or BS2092 GRADE 1 Ear muffs or plugs giving you protection for levels up to 110db(A) Safety boots to EN345 or BS1970/4972

- This machine must not be used by minors, or by anyone under the influence of drugs or alcohol.
- This hydraulic breaker is designed for operation by an able bodied adult. Anyone with either temporary or permanent disability must seek expert advice before usina it.













Every effort has been made by HAE/EHA to ensure that the information given in this document and supporting materia is accurate and not misleading. HAE/EHA cannot accept respo from the use of any such document/material. Only Acts of Parliament and Statu have the force of law and only the courts can authoritatively interpret the law.

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The tool bit shank should be clean and lightly specifically for it. Do not use any other bits. This breaker can only use the tool bits a tool bit. witch off the power pack before you change

oned betore insertion into the breaker.

VCCESSORIES must know how to stop it.

controls. Before you start the machine you 11. Make sure that you understand all of the p your hands warm while you are working. before you start work, and wear gloves to 10. Vibration from using this hydraulic breaker can be hazardous. Warm up your hands hefore you start work and wear gloves to below waist height - it is too heavy for any

This breaker must only be used in a position with two hands while working.

Always grip the hydraulic breaker correctly before starting work

In cold weather let the machine warm up position withe working. The flow control lever should be set to 'max'

it the breaker is not used continuously. store starting work. Check levels more often Check engine oil and tuel levels each day salely near to your work area.

Check that the power pack is sited firmly and

Check that the quick release, self-sealing or bulges in them.

2. Check that the hoses have no cuts, abrasions anything tound damaged – contact the hire

Check all your equipment, including hoses, power pack and the breaker. Do not use

BREAKER HYDRAULIC POWERPACK

need to wear appropriate personal protective Anybody who is working near to you will also RS1870/4972).

You must wear safety boots (EN345 or this level as a minimum. muffs or plugs giving hearing protection for

levels up to 110 db(A) - wear appropriate are This hydraulic breaker is likely to cause noise rking with this hydraulic breaker.

You must wear impact resistant goggles (EN166 – B or BS2092 grade 1) when you are

may require a higher level of protection. be worn whenever you use this hydraulic powerpack. Particular jobs or environments equipment (ppe) are the minimum that should The following items of personal protective

SHOTARING

cable buried under the surface. The hydraulic breaker may damage pipes or arriers around your work area.

and dust. Warn others to keep away, put Protect other people from the noise, debris that no-one is near to you or could distract you. Make sure that the area is ciear and safe and

ventilation will almost always be required. suitability and the ventilation required has been fully assessed. Mechanical extraction and only use it in other indoor situations it its isoning. **Mever** use it in domestic premise ces conid cause tatal carbon monoxide Using this equipment indoors or in confin

betrol, or gas cylinders. danger of explosion. It will ignite fumes from Do not use this power pack where there is a

WORK AREA

