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# Using the Diesel Compressor

1. Wear your protective equipment including ear defenders and goggles.
2. Check that the air lubrication container is topped with the recommended oil.
3. When you have set up the compressor, start up and check that everything operates properly.
4. Ensure there are no apparent air leaks.
5. At intervals, while working, stop and check for air leaks or other possible faults. Check the oil level in the container at the same time.
6. Stop work if someone approaches you.
7. You must stop the compressor and release the air pressure before you disconnect any part of your equipment.
8. Stop the engine and release the air pressure before you leave the compressor unattended.
9. If your compressor does not work properly, do not attempt to repair it. Contact the hire company.
10. 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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# Diesel Compressor

Read this entire leaflet before using the Diesel Compressor

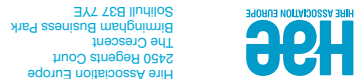
1. Plan your work and think ahead to make sure you will always be working safely.
2. Compressed air is dangerous and must be used carefully. Never aim a jet of compressed air at anyone.
3. Diesel is highly flammable. Take care not to cause a fire or explosion.
4. This compressor is designed to produce and store air at its rated pressure to enable you to run various compressed air-powered tools.
5. The action of this compressor can cause injury or damage if not used in a careful and controlled way.
6. If you have not used a compressor before, familiarise yourself with the equipment before you start work.
7. You must have at least the following items of personal protective equipment: impact resistant goggles: EN166 – B or BS2092 grade 1; dust mask – a minimum of EN149 FFP3(s) protection; ear muffs or plugs giving protection for levels up to 86 dB(A); gloves.
8. This compressor must not be used by minors, or by anyone under the influence of drugs or alcohol.
9. This compressor must not be used by minors, or by anyone under the influence of drugs or alcohol.
10. This compressor is designed for operation by an able bodied adult. Anyone with either temporary or permanent disability must seek expert advice before using it.



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**STARTING THE MACHINE**

1. This section describes the starting procedure for most diesel engines.
2. If the hire company has given you special instructions, follow them. Otherwise, follow the instructions given below.
3. Check that the oil level has not fallen too low. This may automatically prevent the engine running.
4. Move the STOP control to the RUN position.
5. Check that the throttle lever is in the IDLE position.
6. Do not wear gloves when you start the engine. Also, make sure that you have no loose clothing or flapping sleeves that could get caught.
7. Fit the starting handle to the shaft, and check by turning it anti-clockwise that the ratchet mechanism works. Check also that the handle slides on and off the shaft easily.
8. Move the decompression valve lever into the decompression position.
9. If the engine is fitted with a cold start button, press it in when starting from cold.
10. Grasp the starting handle firmly in one hand – but do not wrap your thumb around the handle. Keep it on the same side as your fingers – this is very important. Your thumb could be broken if you wrap it around the handle, and the engine kicks back.
11. Crank the engine strongly before lowering the decompression lever smoothly. The engine should fire up. If it doesn't, go through the steps again from instruction 7 above.

**REFUELLING**

1. No smoking.
2. Stop the engine and let it cool down.
3. If possible move the compressor away from your work area.
4. Clean the filler cap and the area around it to prevent dirt falling into the fuel tank.
5. Use a funnel and clean diesel when refuelling. Do not spill any fuel on yourself or the machine.
6. Wipe any fuel off the machine. Dispose of fuel soaked cloth carefully.
7. If you spill any fuel on the ground, wipe it up or cover it with soil.
8. If you spill any fuel on your clothes, change them straight away.
9. Put all fuel caps back on properly, and move your fuel can to a safe, cool place.



## Before Starting Work...

Anybody who is working near to you will also need to wear appropriate personal protective equipment.

1. Check your equipment, hoses, gauges, and tools. If anything is found damaged, do not use the compressed air – contact the hire company.
2. Compressed air carries a minute amount of oil-st to prevent any air tools seizing up. Make sure the lubrication container on your compressor is topped up with the recommended oil, check the level regularly.
3. Compressed air can be dangerous, do not misuse it.
4. Do not obstruct or prevent safety devices from working.
5. Do not point a jet of compressed air at people or animals. It can cause injury even through clothing.
6. Do not blast air onto skin, it can blow splinters in. At high pressure, it will penetrate the skin and cause injury.
7. Do not use it to blow out dust and debris from portable tools, the airborne dust particles could be dangerous to health.
8. Do not use compressed air in any flame heating or cutting equipment that normally uses oxygen.
9. You must not blow it into any source of fire. It will generate greater heat and blow burning fragments around.

**WORK AREA**

1. Do not use the compressor where there is a danger of explosion. It will ignite fumes from petrol or gas cylinders.
2. Using this equipment indoors or in confined spaces could cause fatal carbon monoxide poisoning. Never use it in domestic premises and only use it in other indoor situations if its suitability and the ventilation required has been fully assessed. Mechanical extraction ventilation will almost always be required.
3. Make sure that your work area is clear and safe and that no-one is near to you or could distract you.
4. Protect other people from the noise and danger. Warn others to keep away, put barriers around your work area.
5. Site your compressor on firm level ground as far as possible from other people to reduce noise pollution.

**OPERATORS**

1. The following items of personal protective equipment (ppe) are the minimum that should be worn whenever you use this compressor. Particular jobs or environments may require a higher level of protection.
2. You must wear impact resistant goggles (EN166 – B or BS2092 grade 1) when you are working with this compressor.
3. This compressor is likely to cause noise levels up to 86 dB(A) – wear appropriate ear muffs or plugs giving hearing protection for this level as a minimum.
4. You will need to wear an appropriate dust mask (with a minimum of EN149 FFP3(s) protection) if your work with the compressor causes dust.

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