**MIG 102 Dismantling and Re-assembly of a Compressor**

Take a series of photographs of the stages of dismantling and reassembly.

Make a note of any spare parts you think you may need.

What PPE did you require for this task?

What risks were there, and what action did you take prior to completing the job to mitigate them (this means to reduce the risks).

Make a detailed list of the steps that you took to dismantle and reassemble the equipment.

How did you ensure that any parts could be re-assembled in the correct orientation?

The compressor is a reciprocating type, what does reciprocating mean.

How did you fit the pistons into the bore, and why was this difficult? Comment on any specialist tools that you could use.

Make a sketch of the crankshaft and piston assembly and comment on how they are lubricated

What type of bearings are used, comment on how they function.

What type of gaskets and seals are used? When and how would you replace the gaskets/seals.