**MIG 105 or MIG 106 Dismantling and Re-assembly of a Split ‘Cooper’ Bearing**

Take photos of the different stages of disassembly through to 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 the equipment and reassembly.

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

Describe and name the separate parts of the bearing.

Comment on the number of rows and type of rolling elements.

What are the ‘pros and cons’ of using a split bearing over a standard type bearing?

Why was the ‘split’ in the bearing races at an angle?

How would this type of bearing be lubricated?

Describe and name the type of seals within the bearing.

How could the load rating of the bearing be increased?

Comment on the ability of this bearing to withstand ‘thrust’ and make a suggestion on how its capability to withstand thrust could be increased.