**RECORD OF INSPECTION INSTALLING A CENTIFUGLE PUMP MECHANICAL SEAL**

You are required to produce a full report that covers the complete installation of a pump mechanical seal. You must start by producing a method statement covering all aspects of the work, this will include details of all the equipment and tools you intend to use to carry out the work.

You are also required to produce a meaningful risk assessment where you need to consider all the hazards that you may encounter working on the equipment including any lifting operations. Areas where the inspection needs close detail will be the shaft surface condition, any mechanical issues such as shaft run-out, jointing faces and record all setup markings and dimensions that are used.

The information you need to gather for your report must include all of the following areas:-

* Title & date.
* Your name & group number.
* The type pump.
* The type seal.
* Materials of construction.
* What dimensional information was recorded and used to set the seal given that the amount of compression for the working length will be given to you by the training officer.
* Produce sketches and photo’s taken at different stages of the inspection as required for the report.