**Mechanical Equipment Fault Diagnosis Report**

You are required to produce a full report that covers all aspects of the overhaul of the designated equipment. 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.

You are also required to produce a meaningful risk assessment where you need to consider all the hazards that you may encounter, and how they translate into risks associated with the work of opening up the equipment for inspection and the reassemble, then detail the control measures you need to implement to manage those risks.

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

* Title & date.
* Your name & group number.
* The type of equipment.
* Materials of construction.
* General external condition.
* General internal condition this will include any repair work to be carried out.
* Include details of any problems encounter during the work and how they were resolved.

The report is to include meaningful photographs and possibly sketches taken at key stages of the work, they should detail any areas of interest found during the inspection.

Finally, if you are in any doubts about any of the requirements of this exercise please ask, also note you do not commit to any lifts during the rigging exercises until they have been checked and sanctioned by the T.O. and please include this into a control measure for your risk assessment.