**RECORD OF DIAGNOSTIC INSPECTION FOR PUMP**

**INTEGRITY AND PERFORMACE**

You are required to produce full report on the overall condition of the inspected centrifugal pump. The report need to include a comprehensive description of the pump type of impeller etc. Explain in the report how the areas were checked and how the unit was rebuilt, use sketches and photographs to highlight areas of significance. The report must contain what was found and sum-up the report by giving your own opinion of how serviceable the unit would be.

You also need to produce a meaningful risk assessment that cover all the work where you will consider all the hazards that you may encounter opening up the units and any lifting requirements. If you have any areas of uncertainty they must be discussed with the T.O. and statement must be included in the risk assessment controls measures stating this.

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

* Title & date.
* Your name & group number.
* The type of pump.
* Materials of construction.
* Detail any areas of damage or wear, including bearing lift and end float.
* When rebuilding ensure the glands and mechanical seals are replaced correctly.
* Finally again you **must include** sketches and photos taken at different stages of the inspection as required for the report.