



Basic Mechanical Skills

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COURSE CONTENT

AIM

To give delegates basic knowledge and skills to carry out basic Mechanical tasks in the workplace.

PRE-REQUISITES

There are no pre-requisites.

COURSE DURATION

The course is of 5 days duration.

OPTIMUM NUMBERS

The optimum number for this course is 4.

TRAINING AIDS

TV, Video, Practical Assignments, OHP, Flip Chart and Course Hand Outs.

COURSE SYLLABUS

The delivery will be a combination of classroom work for underpinning knowledge and hands on practical exercises in line with the requirements.

- ❖ Health and Safety relating to the use of hand tools in maintenance
- ❖ Understanding of how to use basic mechanical tools. i.e. open ended and ring spanners, sockets, screwdrivers, Allen keys etc
- ❖ Use and care of micrometers and verniers, reading micrometer and vernier scales
- ❖ Reading and understanding basic mechanical engineering drawings
- ❖ The importance of lubrication and the different types of lubricant including oils and greases
- ❖ The setting up of a basic lubricant schedule
- ❖ The completion of shut down procedures as above
- ❖ Basic mechanical maintenance skills including methodology and basic fault finding
- ❖ Introduction to basic pneumatics and hydraulics
- ❖ Practical training in the stripping down and rebuilding of basic pneumatic and hydraulics equipment

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- ❖ The basic machine principles
- ❖ Course audit and review

Dates available on request