

BASIC INDUSTRIAL HYDRAULICS

Introduction:

Maintenance Engineers, technicians and Operatives with little or no knowledge of hydraulics who require a basic understanding of the function of hydraulic equipment

Objective:

To familiarise participants with the principles and concepts of hydraulic control, Using 'Festo' hydraulics. Using a hands-on approach this course will improve confidence, enhance diagnostic skills and increase competence in fault finding.

Programme Synopsis:

- Introduction to hydraulics and relative safety procedures
- Supply to the system
- Pump characteristics
- The basic elements of a system
- Study of the static and dynamic system
- Control of movement
- Types of actuators – single, double acting and rotary
- Speed control – meter in and meter out principles
- Pressure control
- Sequence circuits – using pressure control and time control
- Symbolic representation of circuits; CEETOPS and ISO symbols
- Study of industrial circuit diagrams
- Faultfinding and system set up

Duration: Three (3) days

Course Code: TSCBIH

Certification: Training Solutions 2000