

Identify and Replace Hydraulic Components

The aim of this course is to provide learners with an understanding of the basic principles of hydraulics, the application within the plastics manufacturing industry and the skills required to perform routine checks and maintenance on hydraulic components.

- ✓ HYDRAULIC FLUIDS
- ✓ COMPONENTS OF THE POWER SUPPLY SECTION
- ✓ FLOW CONTROL COMPONENTS
- ✓ DIRECTIONAL CONTROL VALVES AND CYLINDERS
- ✓ MID-POSITION AND PILOTED VALVES
- ✓ MAINTAINING HYDRAULIC COMPONENTS ON MACHINES

At the end of this course learners will be able to:

- Read and interpret basic diagrams and symbols
- Recognise the properties of hydraulic fluids
- Understand the procedure to follow in inspecting hydraulic components
- Understand the common causes of wear to hydraulic components
- Identify methods of flow control: pressure, flow, direction
- Identify any worn or damaged parts or components
- Identify any safety issues related to the machinery and equipment
- Identify type of oil required
- Interpret a Material Safety Data Sheet
- Check oil levels and top up as required
- Identify basic physical hydraulic components on plastics processing equipment
- Strip and reassemble hydraulic cylinders