

**CONTAMINATION CONTROL**

**TRAINING COURSE**

FPS050

**Introduction**

Contamination of the hydraulic fluid lies at the very heart of most issues associated with hydraulic system failure or malfunction. Its important that we understand how and where this contamination might get into our system and do all that we can to keep it out.

The solid contamination particles that cause the damage are smaller than the naked eye can see, so one assumes that if we can’t see it, it’s not there.

Microscopes and automatic particle counters are used to determine fluid cleanliness by measuring the size and number of particles in a fluid sample.

This allows us to measure and manage system contamination levels.

The aim of this course: is to provide the knowledge and skills required to maintain system fluids to an acceptable cleanliness standard.

**Training Content**

* The function of hydraulic fluids and critical clearances of hydraulic system components
* Cause and effect of system contamination
* Fluid cleanliness, contamination classes and methods used for fluid analysis
* Procedures used for taking fluid samples
* Automatic Particle Counting (APC) equipment
* Binocular microscope and sampling equipment set up and use
* Fluid cleanliness standards and procedures

**Target Audience**

This 1 day training programme has been developed to meet the needs of mechanical/hydraulic equipment operators and maintainers, hydraulic Technicians, and all personnel involved in the maintenance, inspection and repair of hydraulic equipment plant and machinery.

**Pre Requisites**

None

**Duration**

1 Day

**Location**

TBC

**Certification**

A Certificate will be issued on successful completion of the course.

**Revalidation**

Employer discretion