

Fluid Filtration Maintenance

Introduction to Fluid Patch Testing



An online course in fluid sampling and patch test procedures. Studies show that particle contamination is responsible for up to 80% of lubrication-related machinery failures. Patch testing enables technicians to quickly identify abnormal levels of contamination and wear debris so that corrective actions can be scheduled.

Course Duration:
Learners complete the course online in their own time, the course should take a learner 3-4 hours to complete.

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Who Should Attend?

This course is designed for learners with basic to intermediate knowledge of fluid sampling and patch test procedures. This course is broken down into two sections. The first section details the theory behind fluid sampling and the patch test procedure and the second section is a practical demonstration on fluid sampling and the patch test.

After each section, you will be required to complete a small test before you can progress to the next section.

After completing this course, you should be able to answer the following questions:

- What is fluid sampling and why it is an important part of any reliability focussed program?
- What are the common methods of fluid sampling and what are the preferred methods of obtaining a sample?
- What factors can impact how accurate the sample you take is?
- What are the benefits of having a well-defined sampling program in place?
- What is the patch test and what information can it provide about a system?
- What are the main data points which can be obtained from conducting a patch test?

And after the practical demonstration you should be able to:

- Take a sample that is representative of your system
- Set up your patch test apparatus
- Determine which patches should be used depending on the sample fluid obtained
- Conduct a patch test in accordance with ISO 4407: 2002 and obtain an estimate of the ISO cleanliness of your sample fluid



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