RECURRING EQUIPMENT FAULT REVIEW / ILLUSTRATIVE CASE

Why does this equipment keep failing?

The management decision

Compare fault rates against running hours and operating conditions. A lower incident count can still indicate a worsening problem when equipment has run for less time.

Repairing the same problem more than once can disrupt schedules and consume maintenance capacity. The pattern may only become visible when you line up faults, running hours and earlier repairs. This remote review helps the site team decide what to investigate first and what records would strengthen its judgement. That keeps the investigation focused on the checks most likely to explain the disruption.

Worked example

Twelve recorded faults in 600 operating hours equal two per 100 hours. Running time provides a comparison that calendar months alone cannot give. Check that teams record comparable events.

Example figure	What it represents
600 h	Running time
12	Faults recorded
2/100 h	Faults per 100 hours

What changes the answer

In the next period, nine faults in 300 hours equal three per 100 hours. The total fell, but the equipment failed more often while running. Investigate whether recording or operating conditions changed.

Recurring equipment fault review

What to commission

Review recurring faults for one equipment family alongside running hours and previous interventions.

We look for patterns by equipment, hours or conditions and identify plausible explanations for the site specialists to test. Where records disagree or leave gaps, we make those limits visible so the team can choose the next check.

How to judge the result

The maintenance lead can identify a plausible cause, the next local check and the records that would support or rule it out.

Include lost production time and repeat repair effort when assigning investigative priorities. Physical diagnosis and operating decisions stay with the appointed site team.

Decision worksheet

Project detail	Starting point for your team
Decision owner	Maintenance or reliability lead. Name the person who will approve the next step.
Records to gather	Fault reports, operating history and notes on what has already been tried.
Agreed output	A fault-pattern report with priorities and the evidence needed to investigate them.
Decision date	Record the deadline, any unresolved assumption and who will confirm it.

Discuss this case

Tell us what keeps failing, how it affects operations and when your team next has access to the equipment. Include one intervention it has already tried. We can agree whether the existing records would support a useful review before you send detailed logs.

Email info@oxetc.co.uk and mention ENG-15. All figures in the worked example are illustrative.