📊 QA Review Summary (Sep 2024 → Mar 2026)

✅ Overall Position

- **Majority of monthly QA reviews:** No issues / within expected limits
- **No HSE implications** reported in any review
- QA process is **consistent, timely, and closed properly**

👉 Key takeaway:
System is stable overall, with issues being identified and escalated correctly rather than missed

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⚠️ Recurring / Notable QA Issues

1. Repeated High Failure Rate Products

These appear consistently across multiple months:

🔴 Frequent repeat offenders:

- **0110361 – R22AHJR**
    - Appears **very frequently (2024 → 2026)**
    - Multiple escalations to separate issues
    - Identified as:
        - **Jikco OEM sensor**
        - **Known yield variation**
- **0110137 – R17AH**
    - Repeated high failure flags across several months
- **0110121 – R21A**
- **0110107 – R17A-LV**
- **0110142 / 0110132 – R22 variants**
- **0110051 – T-1**
- **0110127 – R17A / R17AV**

👉 Pattern:

- These are largely **oxygen sensors (R-series)**

- Many tied to **Automotive or OEM lines**

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2. Known / Accepted Yield Issues (Important)

Several reviews explicitly state:

- Failures are:
  - **Expected**
  - **Known yield variation**
  - **Controlled product lines**

Examples:

- Automotive sensors
- JJCR / Jikco OEM sensors

👉 Key conclusion:

> These are **not true unexpected non-conformances**, but **known performance characteristics**

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3. Genuine Non-Conformance Candidates (Rare)

🟡 July 2025 / June 2025 / May 2025 clusters

- Multiple products exceeding expected failure rates
- Triggered:
  - **Linked NCR investigations (separate issue IDs)**

🟢 November 2025 deep review (best insight)

- Explicit analysis done:
  - No products exceeded **5% threshold** outside known categories
  - Outliers = **only in known problematic product groups**

👉 Strong evidence of:

- **Controlled process**
- **Clear NCR threshold logic being applied**

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4. 2026 Early Signals

March 2026:

- New flags:
    - **R17AH**
    - **T-1**
    - **R17A**

👉 Indicates:

- Same **recurring product families**
- No new product risk categories emerging

📈 Trend Analysis

Stable Areas

- Majority of product lines:
    - Stable failure rates
    - Below NCR thresholds
- QA reviews consistently conclude:
    - “All fine”
    - “No issues”

Controlled Risk Areas

- Automotive / OEM sensor ranges:
    - Higher failure rates
    - But:
        - Known
        - Expected
        - Monitored

Escalation Process

- When thresholds exceeded:
    - Issues **correctly raised and linked**
    - Traceability maintained

🧠 Key Conclusions (What This Says About Your QA System)

✔️ Strengths

- Strong **monthly QA discipline**
- Good **traceability to issue system**
- Clear distinction between:
    - Expected vs unexpected failures
- NCR thresholds being **actively applied**