The reason for the low accuracy is the dataset contains 47% of anomalies which is a big value when talking about anomalies. The main principle of isolation forest is anomalies are few and different. This data contradicts it.

**The Potential Cause of Anomalies:**

1. **High Vibration/Temperature:**

This means there is a mechanical failure.

For ex: Worn out bearings or Loose Parts.

1. **High Pressure/ Low Flow Rate:**

This indicates a blockage or leak.

1. **High Power Consumption:**

The machine is taking more power or is working harder than required.

This could be caused by friction between parts.

1. **High Days Since Service:**

From the data is clear that the higher the days passed since the last service the more frequent are the faults.

A 47% fault rate is a critical state. It is recommended that an immediate, inspection and maintenance cycle is to be done , as almost half the equipment is operating outside of normal parameters.