

Machine Maintenance Overview Report

Reset Filters

Select Time Period Select Machine Type Select Location Select Severity Level

All ▾

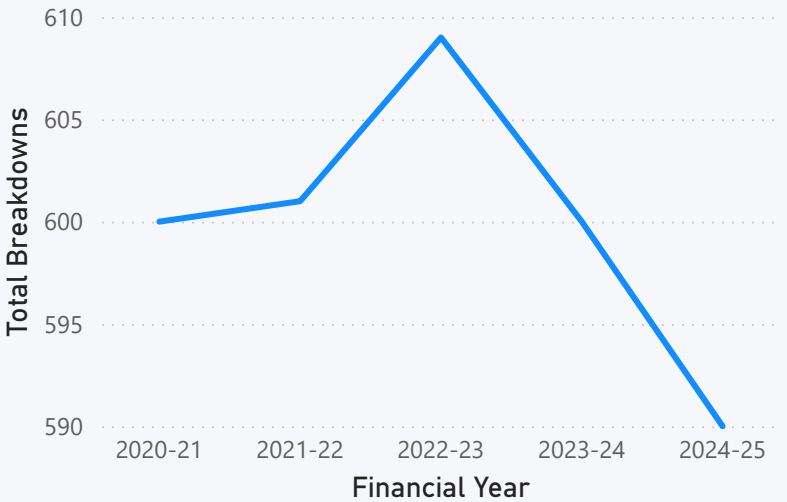
All ▾

All ▾

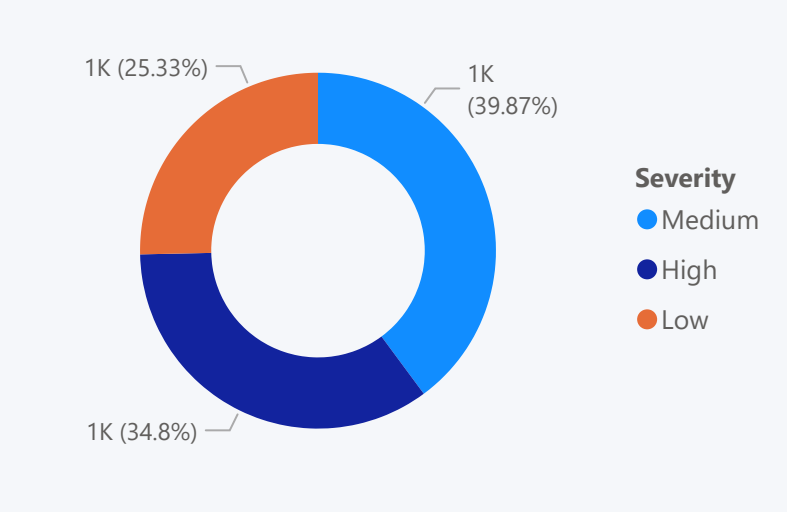
All ▾

| | | | | |
|--------------------|------------------|--------------|------------------------|-----------------|
| 26.98K | 3000 | 8.99 | 115M | 0.35 |
| Total Downtime (H) | Total Breakdowns | Avg Downtime | Total Maintenance Cost | High Severity % |

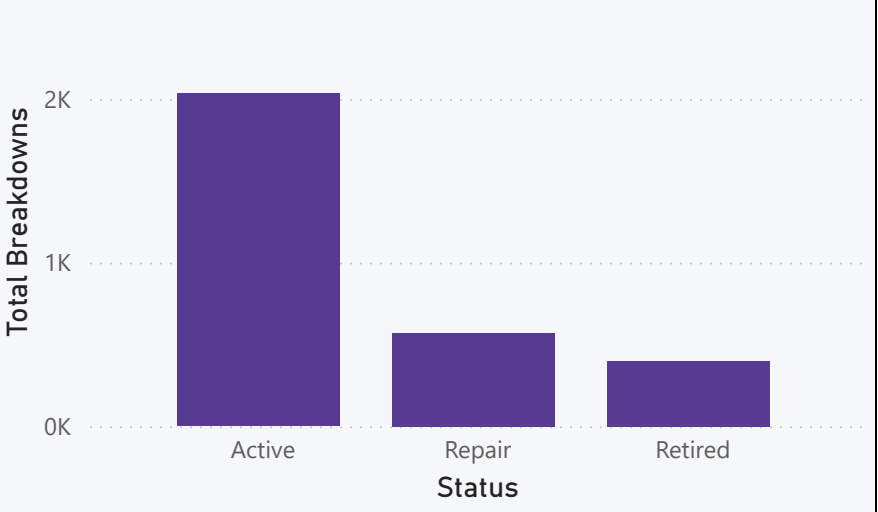
Breakdown Trend Over Time



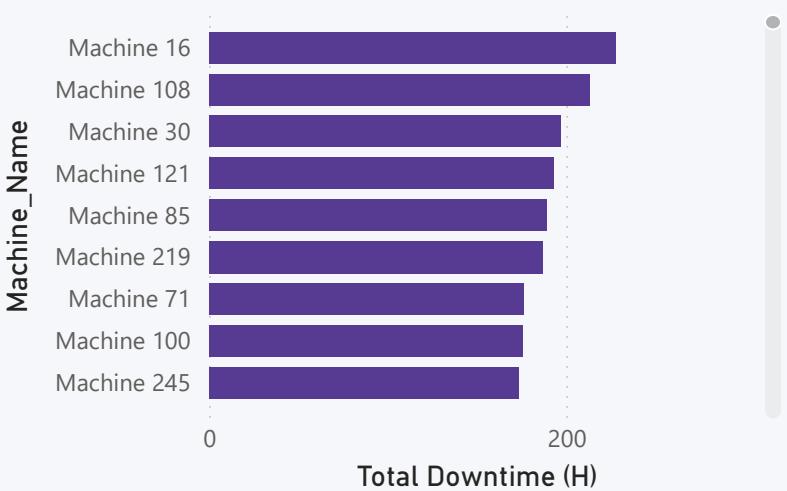
Severity Distribution



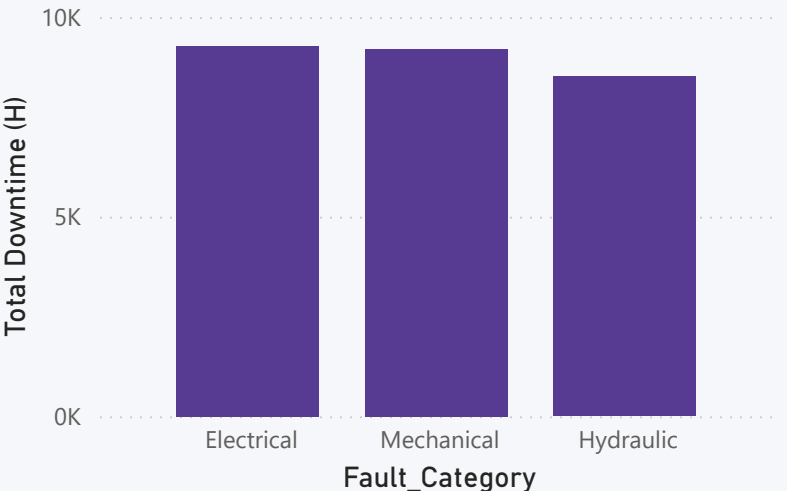
Breakdowns by Machine Status



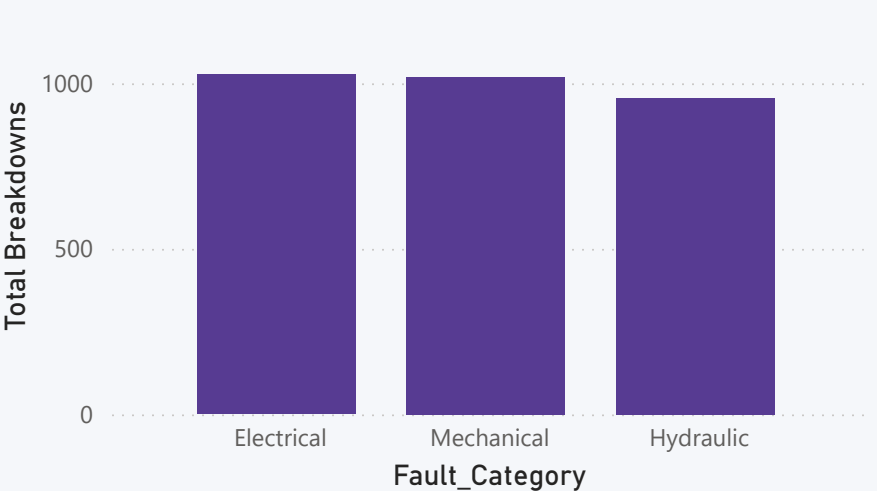
Total Downtime (H) by Machine_Name



Fault Categories by Downtime Impact



Total Breakdowns by Fault Categories



Machine Performance & Reliability Report

Reset Filters

Select Time Period Select Machine Type Select Location Select Status

All All All All

250

Total Machines

3000

Total Breakdowns

26.98K

Total Downtime (H)

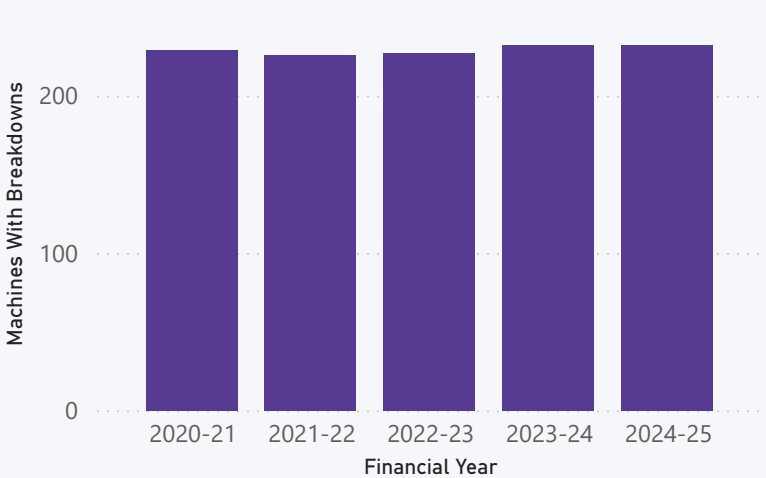
107.94

Avg Downtime per Machine

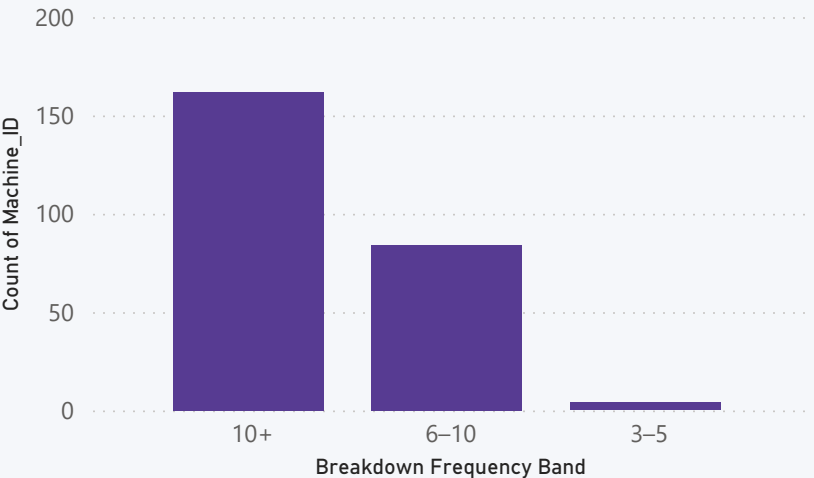
0.35

High Severity %

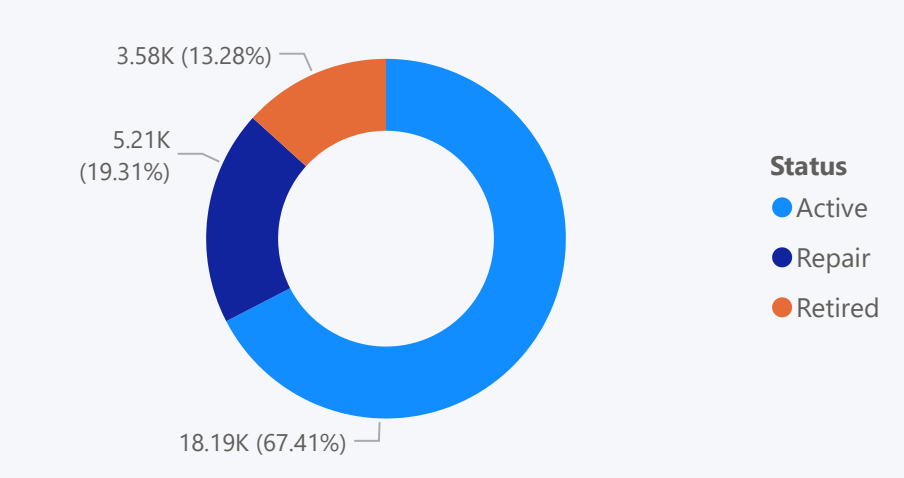
Financial Year-wise Machine Failure Trend



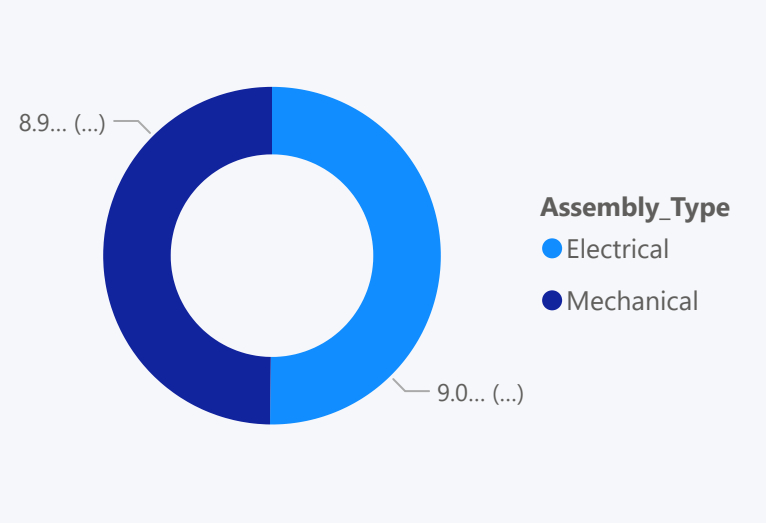
Machines by Breakdown Frequency Band



Machine Status Contribution to Downtime



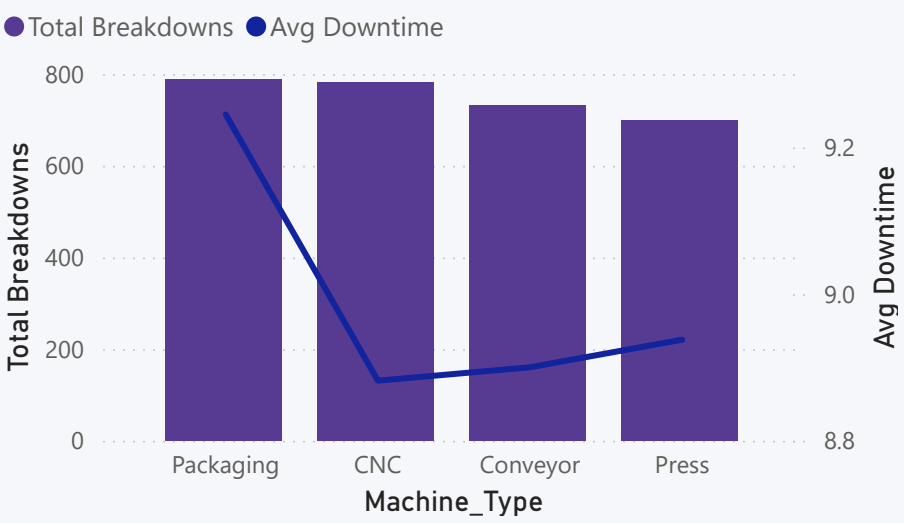
Avg Downtime by Assembly_Type



Assembly Reliability Matrix

| Assembly_Name | High | Low | Medium | Total |
|---------------|-------|-------|--------|-------|
| Assembly 1 | 4.52 | 8.81 | 9.12 | 8.39 |
| Assembly 10 | 8.19 | 7.77 | 11.56 | 8.75 |
| Assembly 100 | 10.27 | 9.33 | 8.04 | 9.40 |
| Assembly 101 | 10.79 | 7.80 | 9.92 | 9.72 |
| Assembly 102 | 11.74 | 11.49 | 9.15 | 10.48 |
| Assembly 103 | 7.79 | 10.70 | 8.25 | 9.11 |
| Assembly 104 | 6.21 | 4.58 | 10.76 | 8.78 |
| Assembly 105 | 9.00 | 5.58 | 7.26 | 7.74 |

Total Breakdowns and Avg Downtime by Machine_Type



Fault, Symptom & Root Cause Analysis Report

Reset Filters

Select Time Period

Select Fault Category

Select Severity Level

Select Reason

All

All

All

All

3000

Fault Occurrences

400

Fault Types

300

Unique Symptoms

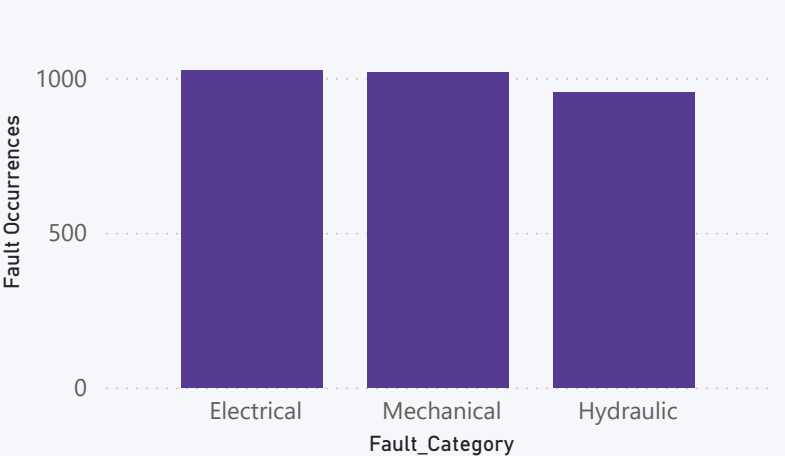
150

Unique Root Causes

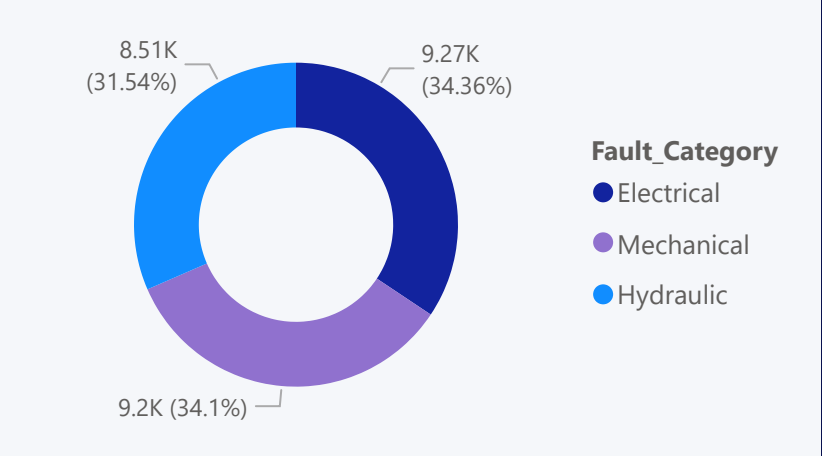
1044

High Severity Faults

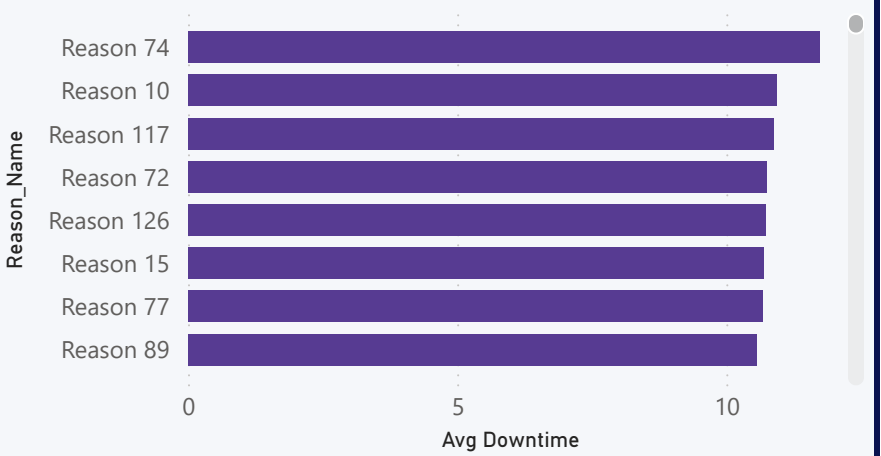
Fault Occurrences by Fault_Category



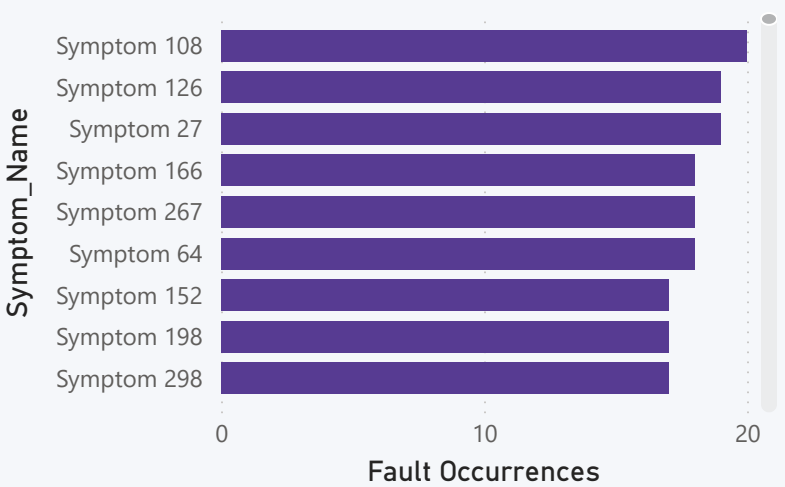
Fault Category vs Downtime Impact



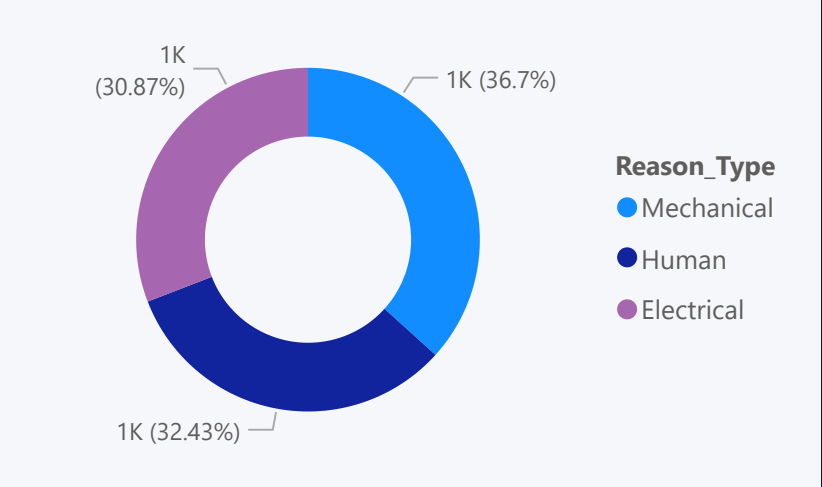
Avg Downtime by Reason_Name



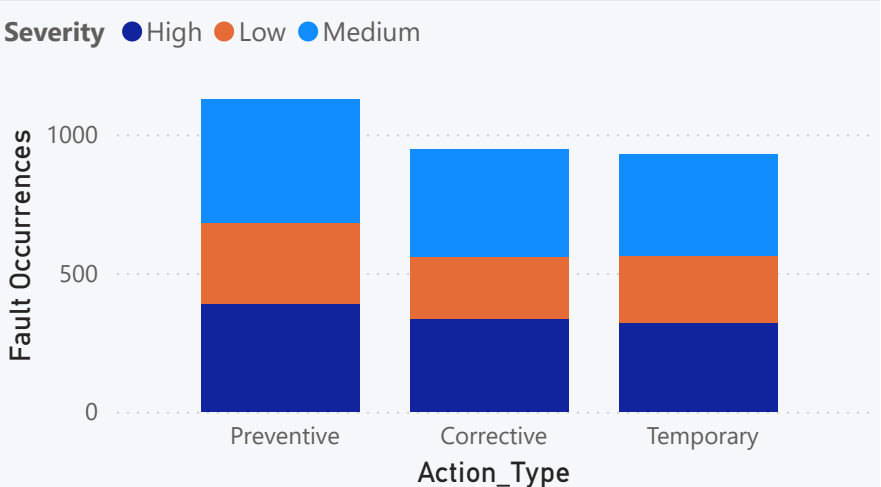
Top Symptoms Leading to Failures



Root Cause Distribution



Fault Occurrences by Action_Type and Severity



Downtime & Maintenance Efficiency Report

Reset Filters

Select Time Period

Select Action Type

Select Machine Type

Select Severity Level

All

All

All

All

26.98K

Total Downtime (H)

0.78

Avg Response Time(H)

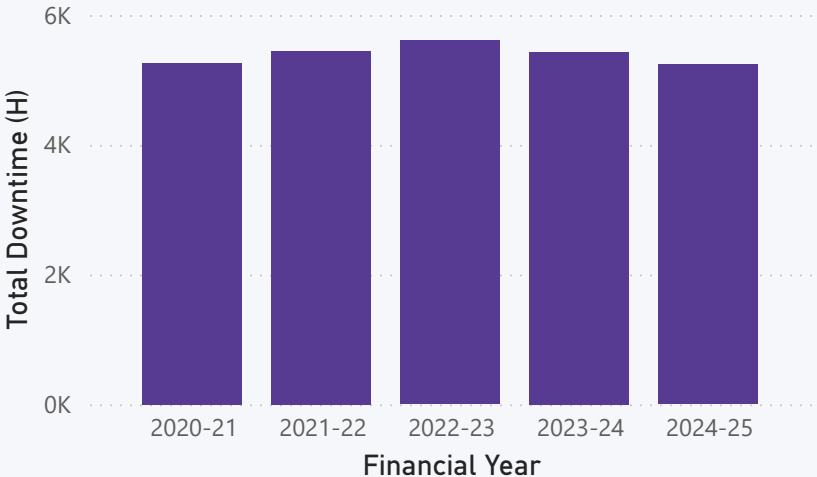
5.98

Avg Repair Time (H)

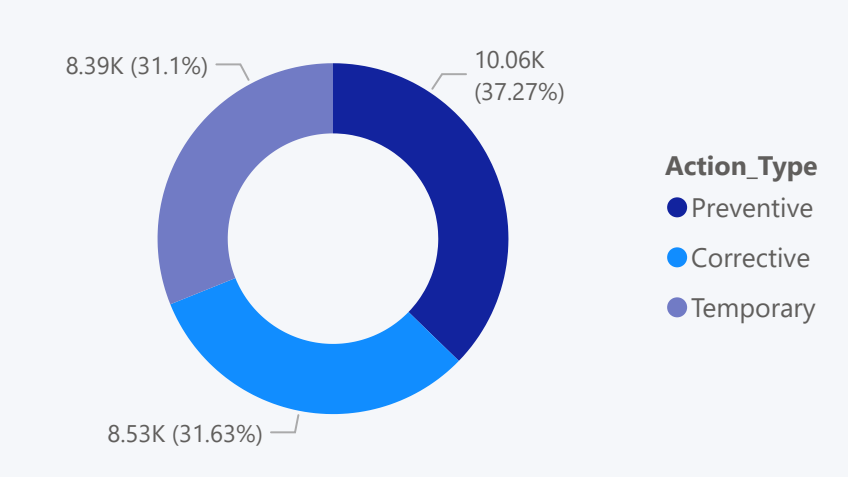
0.38

Preventive Action %

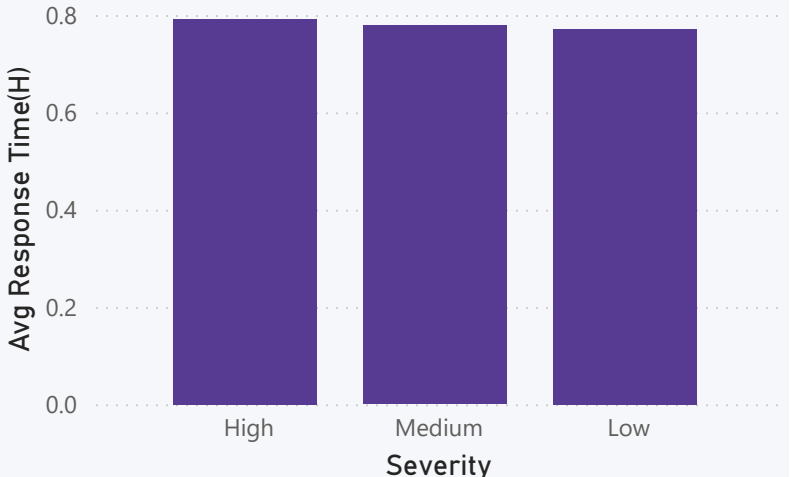
Financial Year-wise Downtime Trend



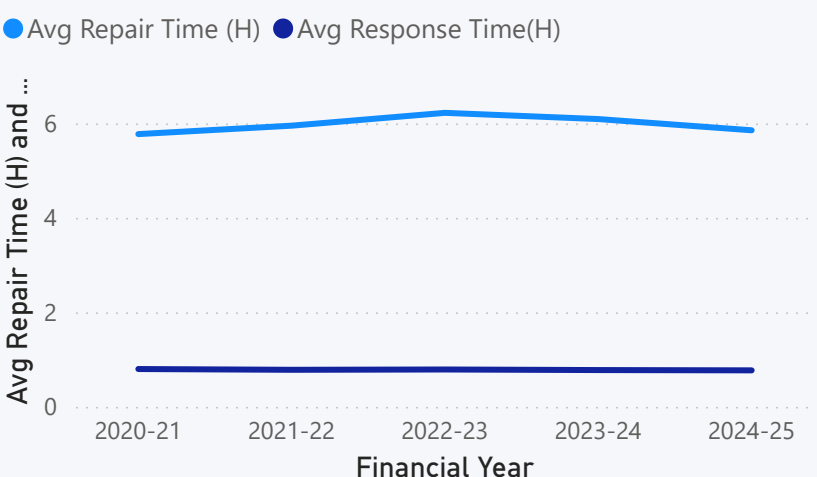
Downtime by Action Type



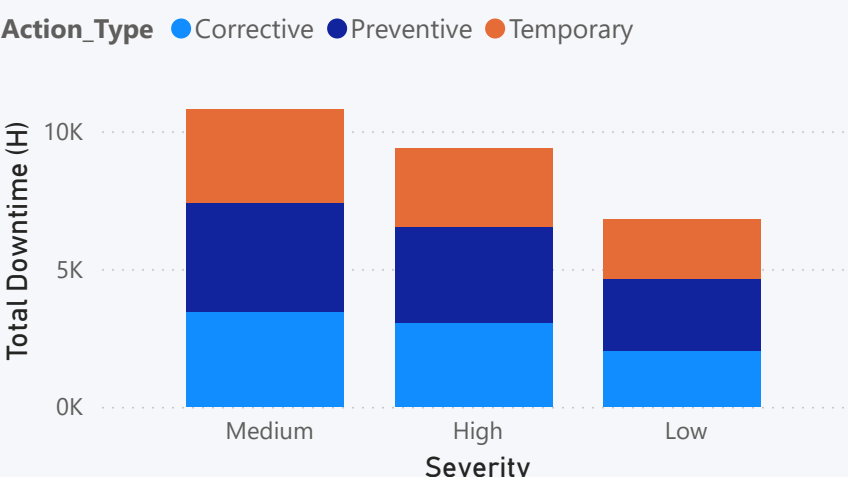
Avg Response Time by Severity



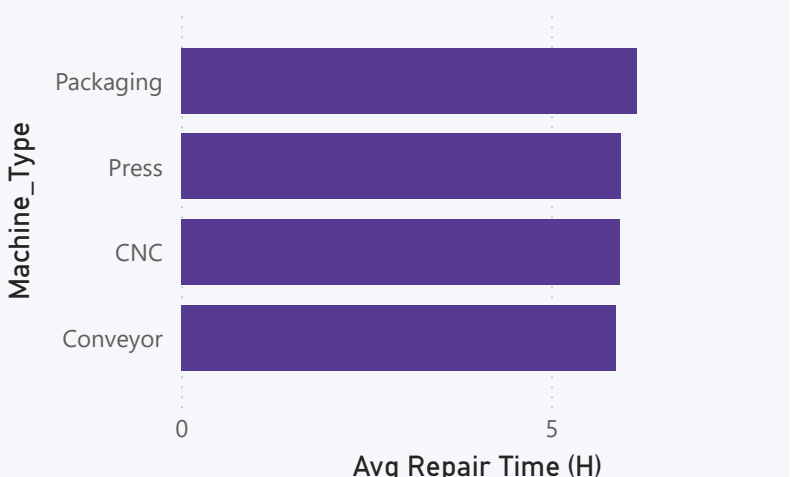
Repair and Response Time Trend by Financial Year



Downtime Distribution by Severity



Avg Repair Time by Machine_Type



Cost & Action Effectiveness Report

Reset Filters

Select Time Period Select Action Type Select Machine Type Select Fault Category

All All All All

115M

Total Maintenance Cost

38.29K

Avg Cost per Breakdown

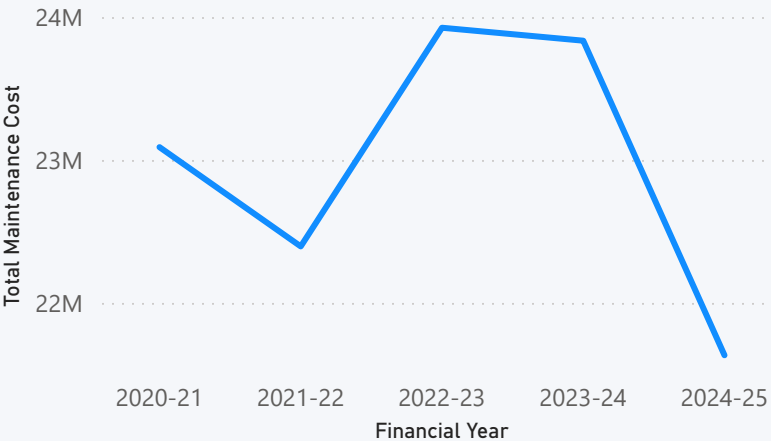
459.51K

Cost per Machine

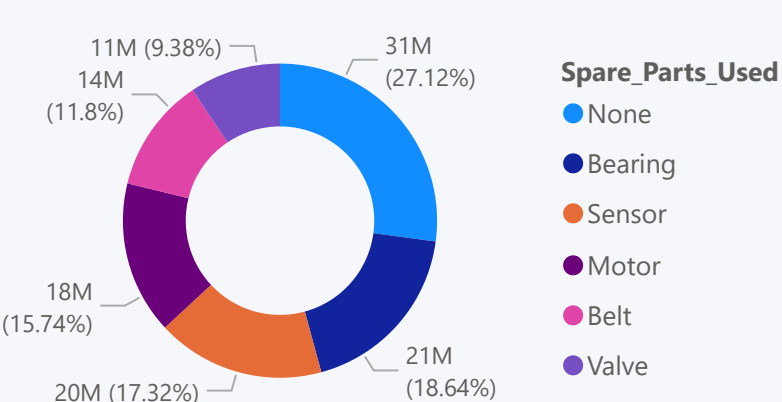
4.26K

Cost per Downtime Hour

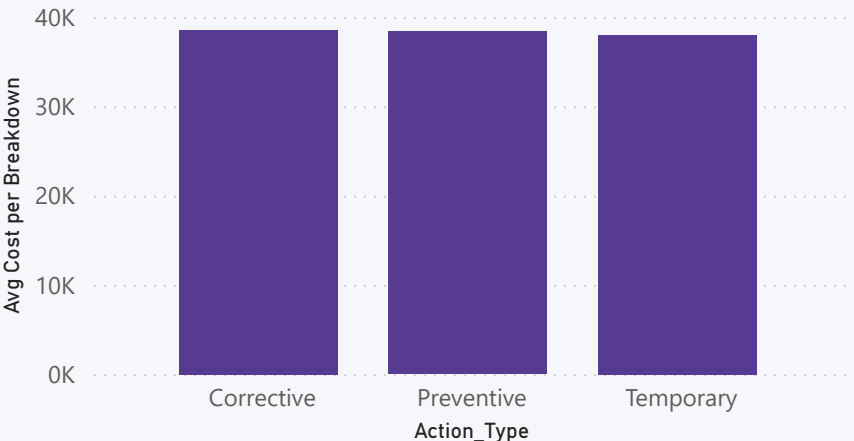
Financial Year-wise Maintenance Cost Trend



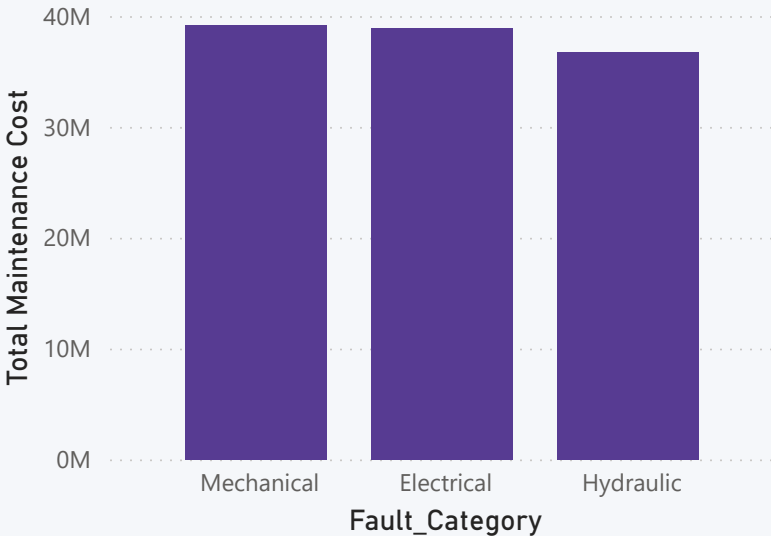
Cost Distribution by Spare Part Used



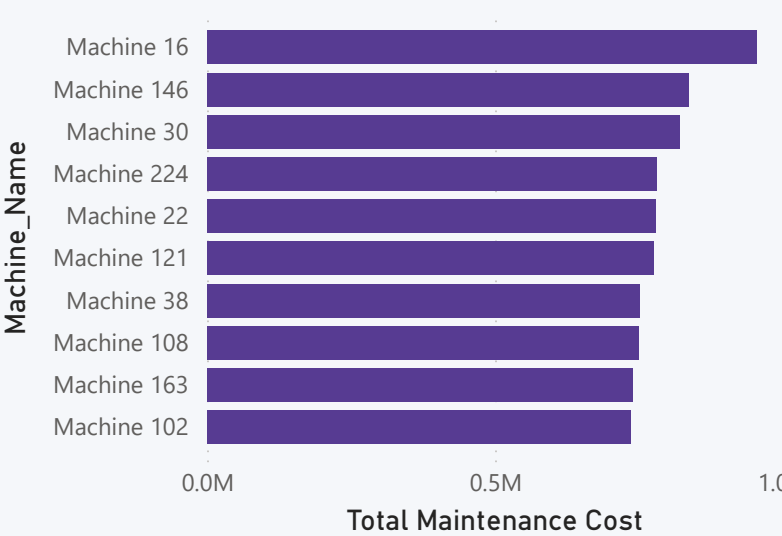
Avg Cost per Breakdown by Action_Type



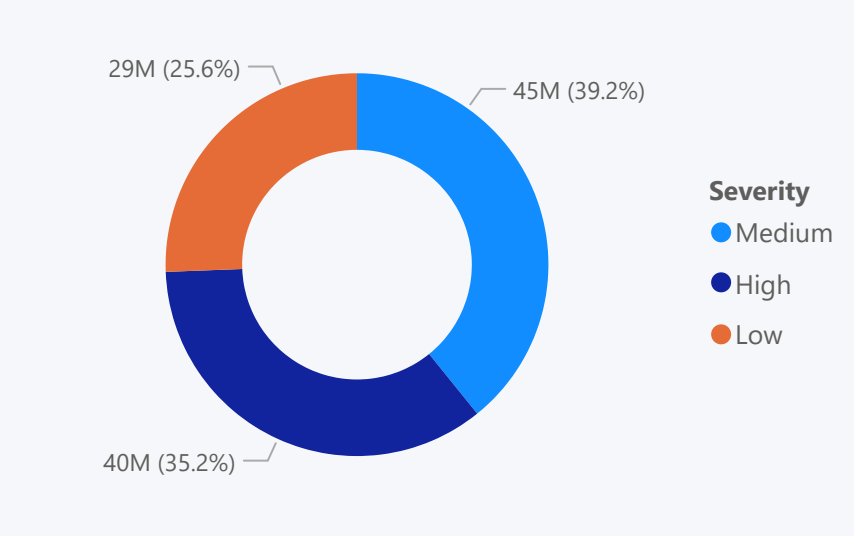
Total Maintenance Cost by Fault_Category



Top 10 Machines by Maintenance Cost



High vs Medium vs Low Severity – Cost Impact



Glossary

Breakdown

An unplanned failure of a machine that stops or affects normal operations.

Downtime (Hours)

The total time for which a machine is unavailable due to a breakdown, measured from fault reporting to repair completion.

Breakdown Occurrence

Each individual event where a fault is detected and logged for a machine.

Severity

Indicates the criticality of a breakdown:

- **High** – Major impact on production
- **Medium** – Partial impact
- **Low** – Minor or no immediate impact

Response Time

Time taken by the maintenance team to start responding after a breakdown is reported.

Repair Time

Actual time spent in repairing the machine, measured from repair start to repair completion.

Maintenance Action

The corrective or preventive step taken to resolve a fault (e.g., inspection, replacement, adjustment).

Action Type

Classification of maintenance actions: