

# Condition Entry Analysis

## Fault Distribution Report

This report provides a break down of the number and location of faults.

[View](#)

### ▲ Condition Entry Fault Distribution Filters

#### Type and Range Filters

Technology

All

Location Equipment  
Type

All

#### Condition Entry Date Range Filter

Start Date

Mar 12, 2012

End Date

Dec 14, 2018

[Apply Filter](#)

*Note: Only condition entries with faults will be considered for this report*

**This report breaks out the number and locations for faults reported in condition entries, and trends for condition entries opened and closed in time period.**

Two reports are provided. The first is the **Fault Distribution Report.**

# Faults Distribution Report

**Fault Distribution Report**  
 This report provides a break down of the number and location of faults.

[View](#)

The **Fault Distribution Report** has three options:

▲ **Condition Entry Fault Distribution Filters**

Type and Range Filters

**1** Technology

**2** Location Equipment Type

Condition Entry Date Range Filter

**3** Start Date

End Date

[Apply Filter](#)

*Note: Only condition entries with faults will be considered for this report*

- 1.** Choose *All* to view all technologies\*, or select a single technology such as *Vibration*, *Thermography*, or *Visual*.
- 2.** Chose *All* to view all equipment types\*\*, or select a single equipment type such as *Pump*, *Blower*, or *Power Distribution Panel*.
- 3.** Choose a date range for the report

\* Choosing *All* on both 1 and 2 may produce a very large table. The drop-down menu will indicate the number of instances of each to help you decide on the appropriate selection.

\*\* By default, only the top ten are selected.

# Faults Distribution Report - Faults Table

This table lists the most common Fault Types, along with their Fault Group, Fault Count, and Most Recent Entry

By selecting the boxes in the left column\*, you may choose which *Fault Types* appear in the charts that follow

Faults				
	Fault Type	Fault Group	Fault Count	Most Recent Entry
<input checked="" type="checkbox"/>	Electrical - Poor terminal connections	Electrical	72	Nov 06, 2018
<input checked="" type="checkbox"/>	Electrical - Resistance imbalance/hot spot	Electrical	60	Dec 16, 2014
<input checked="" type="checkbox"/>	Electrical - Motor circuit problem	Electrical	3	Aug 19, 2015
<input checked="" type="checkbox"/>	Temperature - overheated component	Mechanical	3	Apr 08, 2015
<input checked="" type="checkbox"/>	Electrical - Overloaded	Electrical	2	Feb 21, 2013
<input checked="" type="checkbox"/>	Electrical - Open circuit	Electrical	1	Apr 24, 2014
<input checked="" type="checkbox"/>	Casing damage	Mechanical	1	Jan 10, 2014
<input checked="" type="checkbox"/>	Electrical - AC: Single phased	Electrical	1	Oct 04, 2012

\* By default, only the top 10 are selected.

# Faults Distribution Report - Asset Components

This table lists individual Components along with their Component Type.

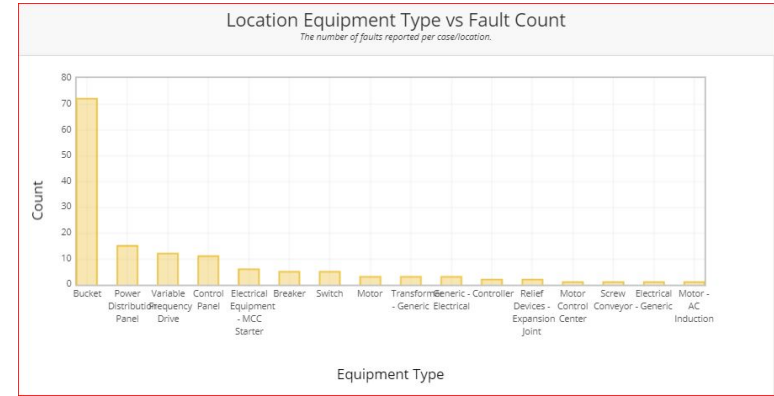
By selecting the boxes in the left column\*, you may choose which items appear in the charts that follow

Asset Components					
	UnitName	FunctionName	AssetDesc	AssetCompName	CompTypeName
<input checked="" type="checkbox"/>	INDIAN CREEK PLANT	AERATION PROCESS AREA	AERATION BLOWER #3	014783 - COMPARTMENT, MCC	Bucket
<input checked="" type="checkbox"/>	INDIAN CREEK PLANT	INFLUENT PUMPING	RAW SEWAGE PUMP #1	013203- MOTOR AC	Motor - AC Induction
<input checked="" type="checkbox"/>	INDIAN CREEK PLANT	INFLUENT PUMPING	RAW SEWAGE PUMP #2	013204- MOTOR AC	Motor - AC Induction
<input checked="" type="checkbox"/>	INDIAN CREEK PLANT	INFLUENT PUMPING	RAW SEWAGE PUMP #3	013205- MOTOR AC	Motor - AC Induction

\* By default, all items are selected.

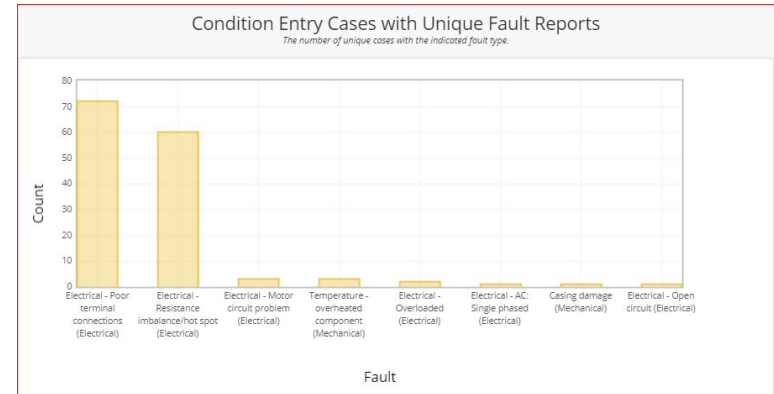
## Condition Entry Cases with Unique Fault Reports

This chart shows the number of unique cases with the indicated *Fault Type*



## Location Equipment Type vs Fault Type

This chart shows the number of faults reported per case/location




# Faults Distribution Reports

## Severity Distribution

This chart shows the number of condition entries for a specific severity.



## Condition Entry Cases with Unique Fault Data

Along with the Fault Name and Group, this table lists the *Most Recent Entry*, *Max Severity*, *Equipment Type*, *Component*, and *CaseID*. The column at the left provides a link  to locate the item in the Asset tree.

Fault Name	Fault Group	Most Recent Entry	Max Severity	Equipment Type	Unit	Function	Asset	Asset Comp	CaseID
<a href="#">Electrical - Overloaded</a>	Electrical	Feb 20, 2013	Low	Breaker	LITTLE MIAMI PLANT	SLUDGE DISPOSAL	MCC-2, SLUDGE DISPOSAL	003422 - BREAKER, MAIN CIRCUIT	327
<a href="#">Electrical - Overloaded</a>	Electrical	Feb 21, 2013	Low	Motor	LITTLE MIAMI PLANT	4-MALE PUMP STATION	EDH/HAUST PNL W/ETWELL	001200 - MOTOR, AC	329
<a href="#">Electrical - AC Single phased</a>	Electrical	Oct 04, 2012	High	Motor	MILL CREEK-MLCTP	COARSE SCREEN BLDG	RECYCLE PUMP, WEST SCRUBBER #1, STAGE1	024754 - MOTOR, AC	163
<a href="#">Electrical - Resistance imbalance/wet spot</a>	Electrical	Jul 05, 2012	Low	Breaker	MILL CREEK-MLCTP	PR SETTLING PROCESS AREA	MCC-F3, SLUDGE PUMPING, SOUTH CENTER MCC	011519 - BREAKER, PUSED, MCC F3 MAIN FEED BREAKER	28
<a href="#">Electrical - Resistance imbalance/wet spot</a>	Electrical	Oct 30, 2012	Low	Power Distribution Panel	MILL CREEK-MLCTP	SLUDGE DEWATERING	SCHWING OASE PUMP #2	028276 - PANEL, POWER	29 (2 entries)
<a href="#">Electrical - Resistance imbalance/wet spot</a>	Electrical	Aug 03, 2012	Low	Bucket	LITTLE MIAMI PLANT	COMPRESSOR/SECONDARY BLDG	SEC MCC-P5	003663 - COMPARTMENT, MCC	63 (2 entries)
<a href="#">Electrical - Resistance imbalance/wet spot</a>	Electrical	Mar 06, 2013	Medium	Bucket	MILL CREEK-MLCTP	SLUDGE DEWATERING	MCC-C2 DENATERING 2ND FLOOR MIDDLE CENTER	011690 - SWITCH, ISOLATION	345
<a href="#">Electrical - Resistance imbalance/wet spot</a>	Electrical	Mar 25, 2013	Medium	Motor	MILL CREEK-MLCTP	INDUSTRIAL WASTE	VACUUM PUMP #1, DWW BLDG, RM 120, MECHANICAL, RM	020793 - MOTOR, AC	361
<a href="#">Electrical - Resistance imbalance/wet spot</a>	Electrical	May 31, 2013	Medium	Bucket	INDIAN CREEK PLANT	INFLUENT PUMPING	RAW SEWAGE PUMP #4	015807 - COMPARTMENT, MCC	435 (2 entries)

# Condition Entry Analysis

**Condition Entry Trends Report**

This report provides set of trends related to condition entries.

[View](#)

▲ **Condition Entry Fault Distribution Filters**

Type and Range Filters

**1** Technology

**2** Location Equipment Type

Condition Entry Date Range Filter

**3** Start Date

End Date

[Apply Filter](#)

The second report is the **Condition Entry Trends Report**. It has the same three options as the Fault Distribution Report.

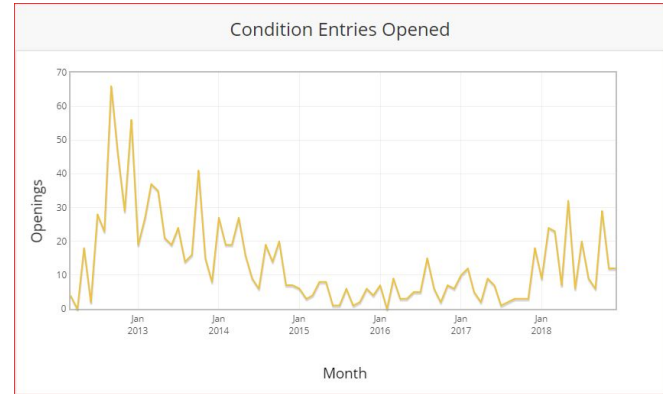
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- 3.** Choose a date range for the report

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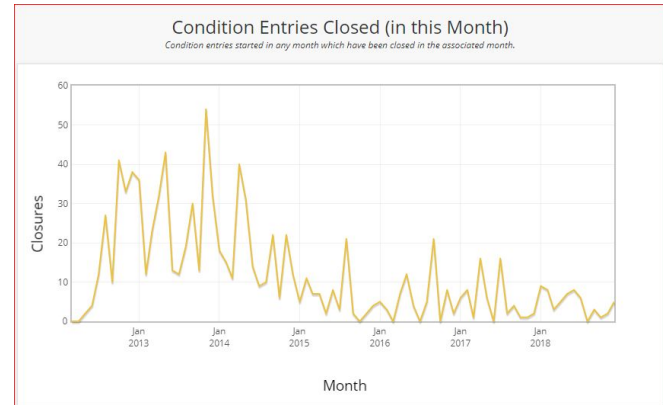
## Condition Entries Opened

*Condition Entries* opened, by month



## Condition Entries Closed (in this Month)

*Condition Entries* closed, by month, regardless of when they were opened

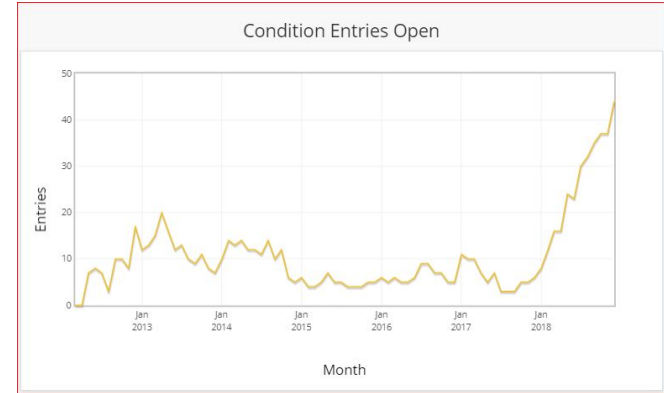






## Condition Entries Open

Total *Condition Entries* open over time



## Summary Table

All of the information in the five charts above, along with *Progress Rate\** and *Percentage Locations Downgraded\*\**

Month	Condition Entries Opened	Condition Entries Closed (This Month)	Condition Entries Closed (Opened this Month)	Progress Rate	Average Days to Close	Condition Entries Open	Locations Monitored	Percentage Locations Degraded
Dec-2018	7	0		0%		44	7	0.25%
Nov-2018	2	2		0%		37	2	0.07%
Oct-2018	3	1	1	0%	55	37	3	0.11%
Sep-2018	3	0		0%		35	3	0.11%
Aug-2018	2	0		0%		32	2	0.07%
Jul-2018	8	1		0%		30	8	0.28%
Jun-2018	1					23		0%
May-2018	9	1	1	0%	196	24	9	0.32%
Apr-2018	2	2		0%		16	2	0.07%
Mar-2018	4	0		0%		16	4	0.14%
Feb-2018	6	2		0%		12	6	0.21%
Jan-2018	3	1	3	100%	113	8	3	0.11%

\* *Progress Rate* = Percentage of *Condition Entries* closed in a period vs entries opened (# Closed / # Opened)

\*\* *Percentage Locations Downgraded* = Number of locations with *Condition Entries* vs number of locations (# Locations with Entries / # Locations)

# Locating the Report

**Asset Tree**

- Reliable Manufacturing, Inc.
  - 101 Cooling Tower
    - Tower
      - CLDWELL
        - MOTOR1[1452/5282414005]
        - MOTOR2[56/1-5117-65842-01-1]
        - MOTOR3[1449/5282414001]

- Location Details
- Condition Entry Reports
  - Integrated Condition Status Report
  - Condition Review Report
  - Condition Entry Analysis
- Other Reports
  - Asset Health Report
  - Condition Assessment Severity Over Time
  - Condition Risk Factor Rating Report
  - Items Near End Of Life Limit
  - Last Two Condition Assessments
  - Planned Removal Status Listing
  - Process Parameter Routes
  - Process Parameters Currently Out of Bounds
  - Process Parameters Out Of Bounds History Report
  - Select Locations for Condition Assessment Task
  - Task Items Not Measured In Date Range
  - Work Planners Report

**Services**

- All Faults Summary
- Asset Health Report
- Condition Assessment Task Metrics
- Condition Comments
- Condition Entries by Date Range
- Condition Entry Cost Tracking
- Condition Risk Factor Rating Report
- Condition Summary for Export
- Condition Summary for Export - No Faults
- Database Condition Assessment Metrics
- Database Condition Assessment Metrics By Task
- Green Comments
- Locations Not Measured
- Mean Time Between Failure
- Open Condition Entries With Work Orders Assigned
- Open Condition Entries Without Work Orders Assigned
- Primary Failure Summary
- Tango Browser Sanity Check
- Work Planners Report
- Plant Level Reports
- Process Parameters
- Condition Assessment Services

**Available From Asset Tree Menu Under:**

<input checked="" type="checkbox"/> Plant	<input checked="" type="checkbox"/> Unit	<input checked="" type="checkbox"/> Function	<input checked="" type="checkbox"/> Asset	<input checked="" type="checkbox"/> Component	<input checked="" type="checkbox"/> Services
<input type="checkbox"/> Process Parameters	<input type="checkbox"/> Condition Assessment Services				