# Asset health status

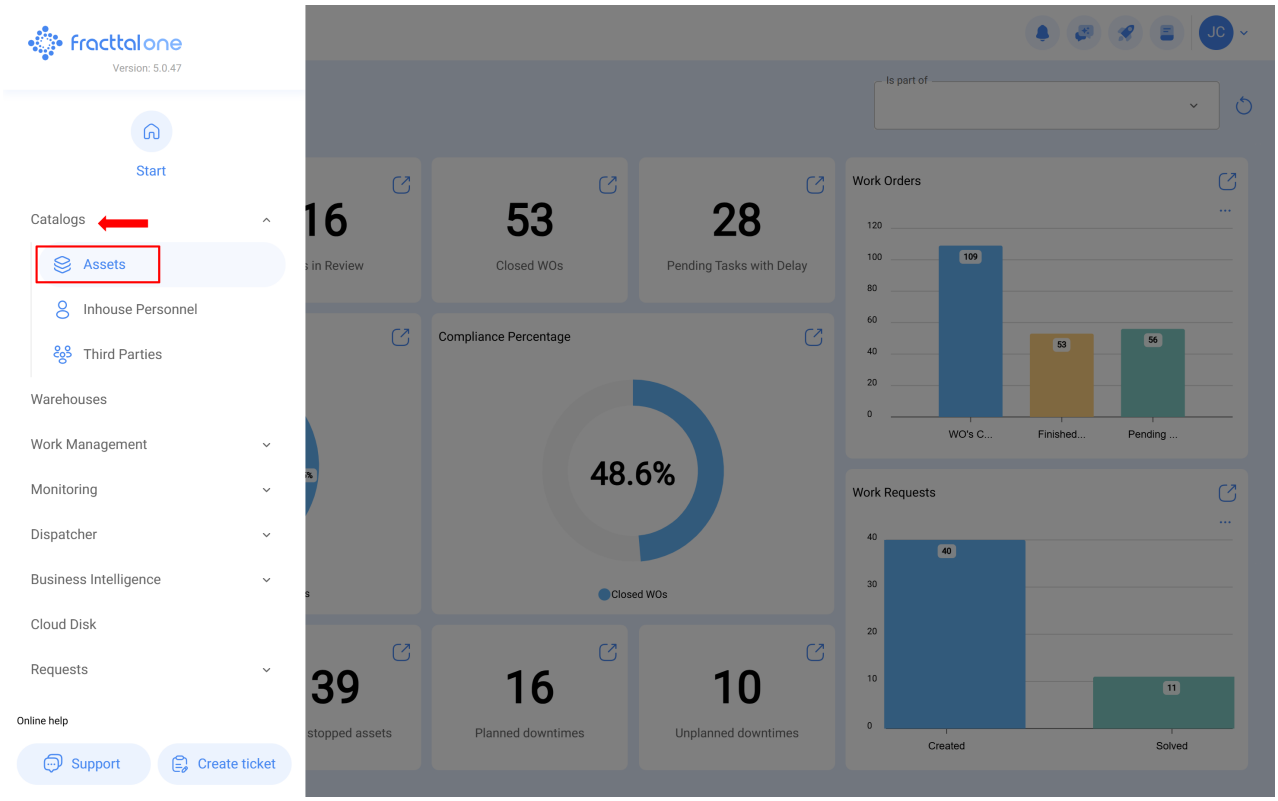
help.fracttal.com/hc/en-us/articles/25266646525709-Asset-health-status

With the **health status** functionality, you can directly visualize the compliance of the asset's task plan (locations and equipment) through time series graphs. This allows you to analyze whether tasks were executed according to the established dates and identify inflection points.

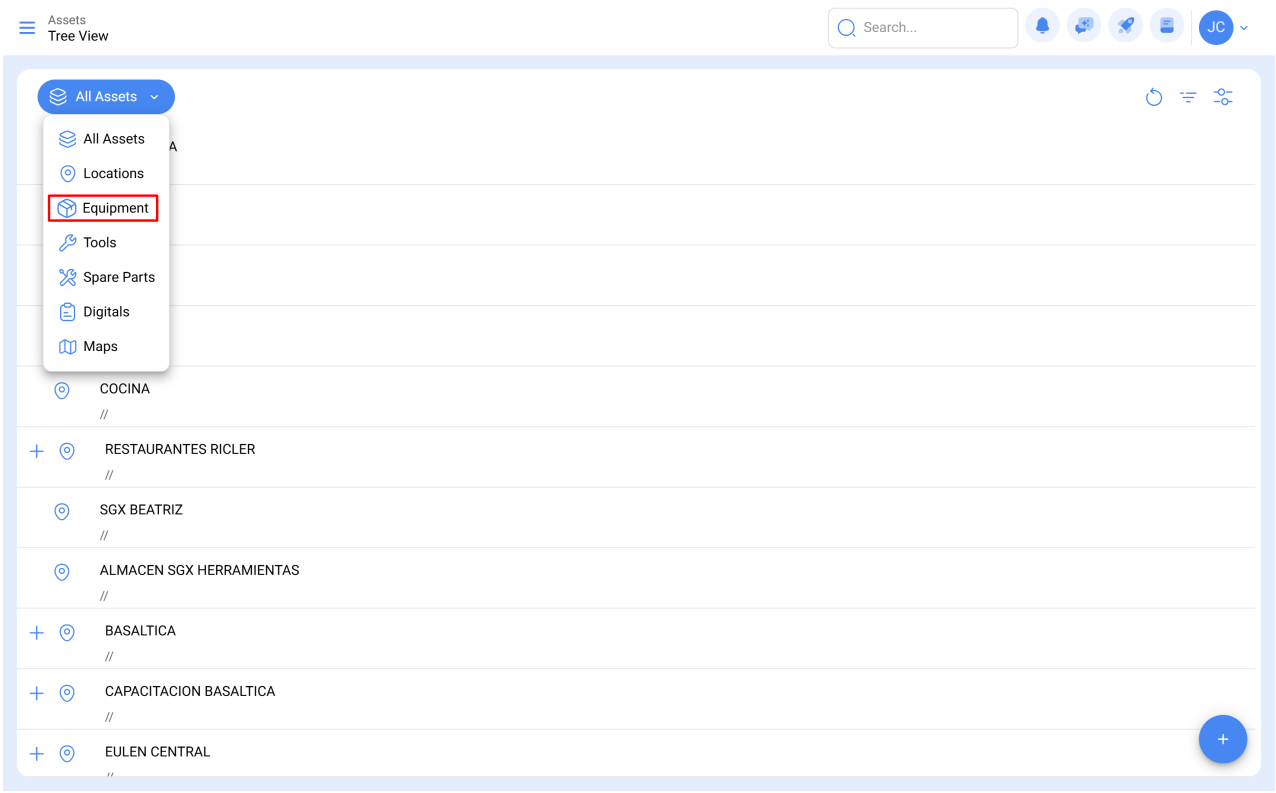
This tool provides key information about the availability of assets, making it easier to make decisions to optimize preventive maintenance activities.

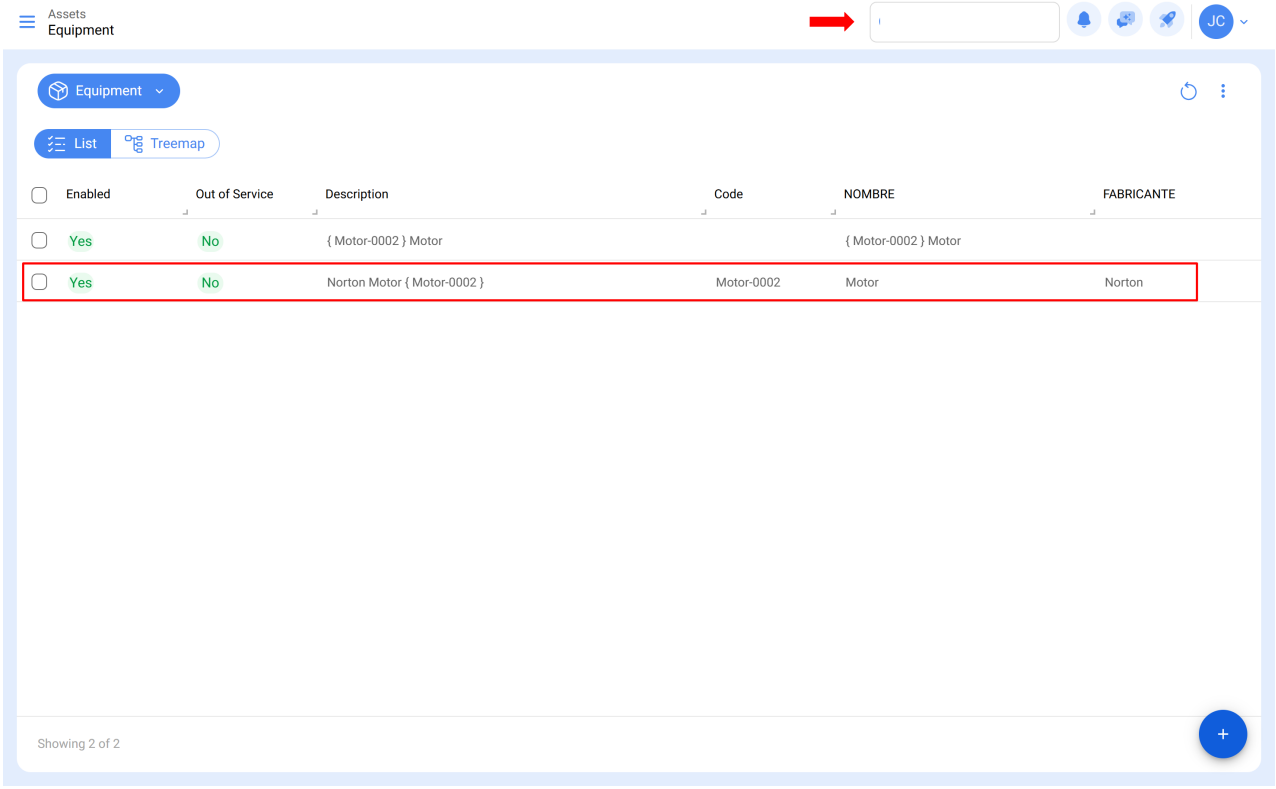
## Process to observe the health status

1. Open the Catalogs > Assets module.

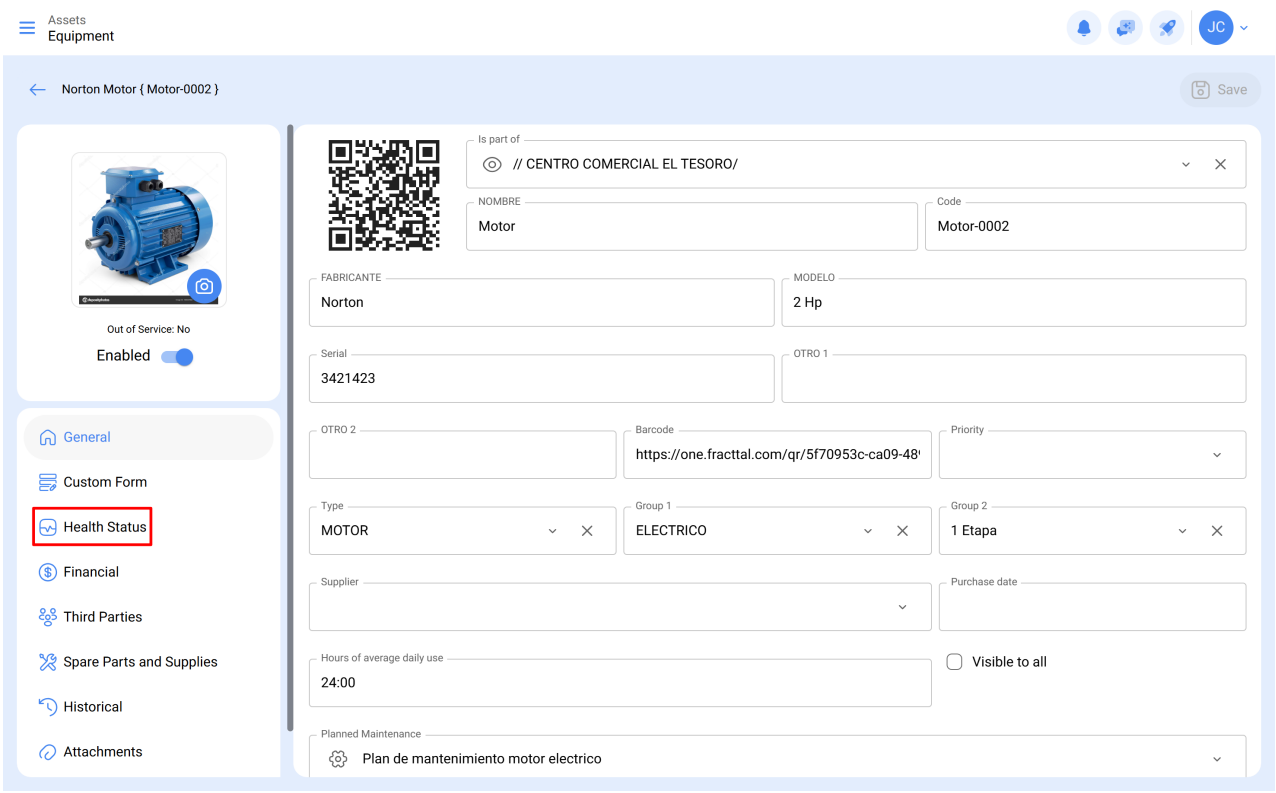



2. Search for the asset (Location or Equipment).




3. Enter the asset's life sheet and select the Health Status sub-module in the details menu.




There you will see 2 time series graphs known as: 'Asset Reliability' and 'Task Plan Fulfillment':


***Asset Reliability:*** graph of the task compliance behavior of the task plan in general, to which that asset is linked.

***Task Plan Compliance:*** it shows the detail of each of the tasks that could have affected this reliability. As seen in the previous image, there are 4 types of statuses differentiated by color, which are explained below:

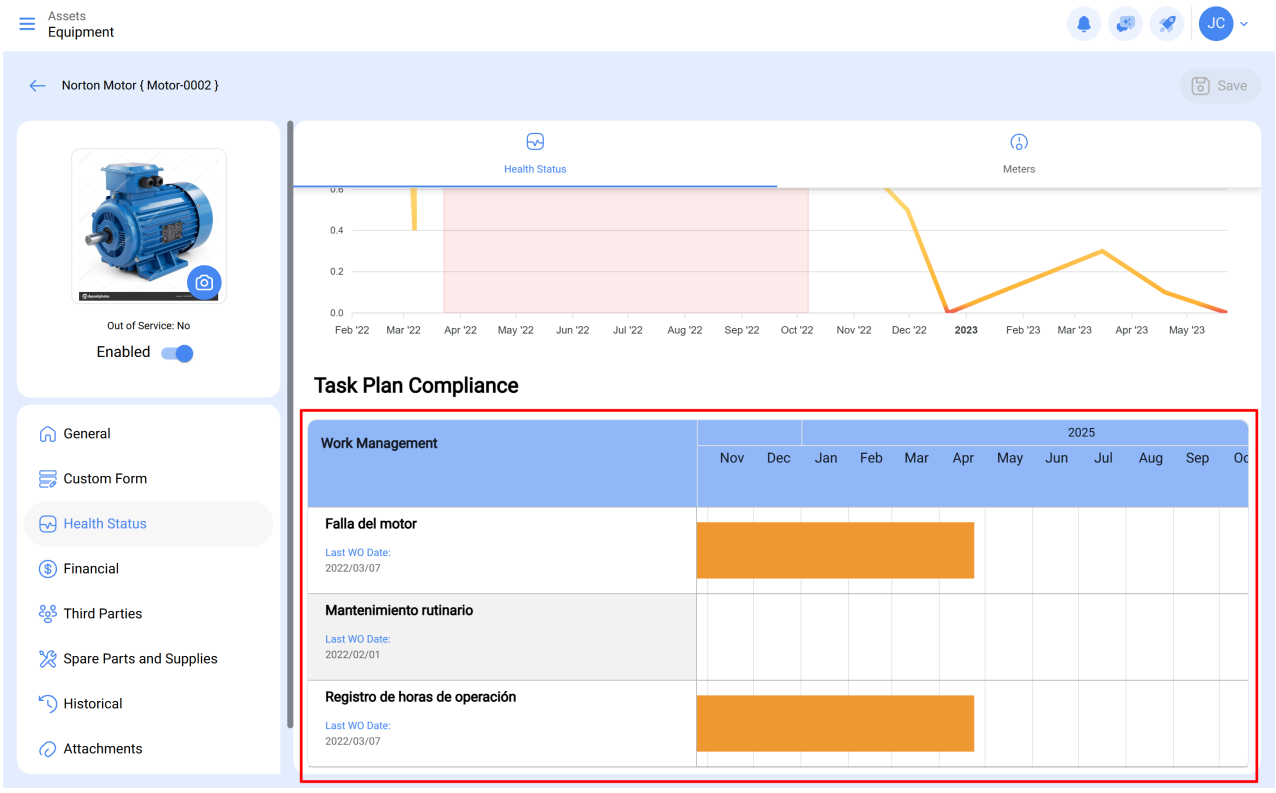
- **Operational (Blue):** it is when the tasks are executed respecting the calculated dates with a tolerance of 10% according to the periodicity of each task.
- **Warning (Green):** This is when the 10% tolerance of the Operational status is exceeded and also has a tolerance of 10% according to the periodicity of each task.
- **Alert (Yellow):** This is when the 10% tolerance of the Caution state is exceeded and also has a tolerance of 10% according to the periodicity of each task.
- **Stop (Orange):** This is when 10% of the Alert state tolerance is exceeded and will remain until the task is completed.
- **Failure (Red):** This is when the equipment has a failure.

**Example:** If there is a task with activator every month and its calculated date is for 01/01/2000, it will have the operational status whose fulfillment is before 03/01/2000. In the case this date is exceeded, the status will be Caution. If it is not finished until 06/01/2000, then it will pass to the Alert status. If it is not finished until 09/01/2000, then it will pass to the last status (Stop) and it will maintain this status until the date this status is resolved.

**Note:** At the moment of viewing the health status for the location type assets, the following must be considered:

1) You can have two analyses; one that corresponds to the general report of all the assets that have as children this location and the graphs of the location itself.


2) In order to be able to observe the Task Fulfillment graph, you must select some point of the graph with the cursor, so that you can have the detail in the selected time.

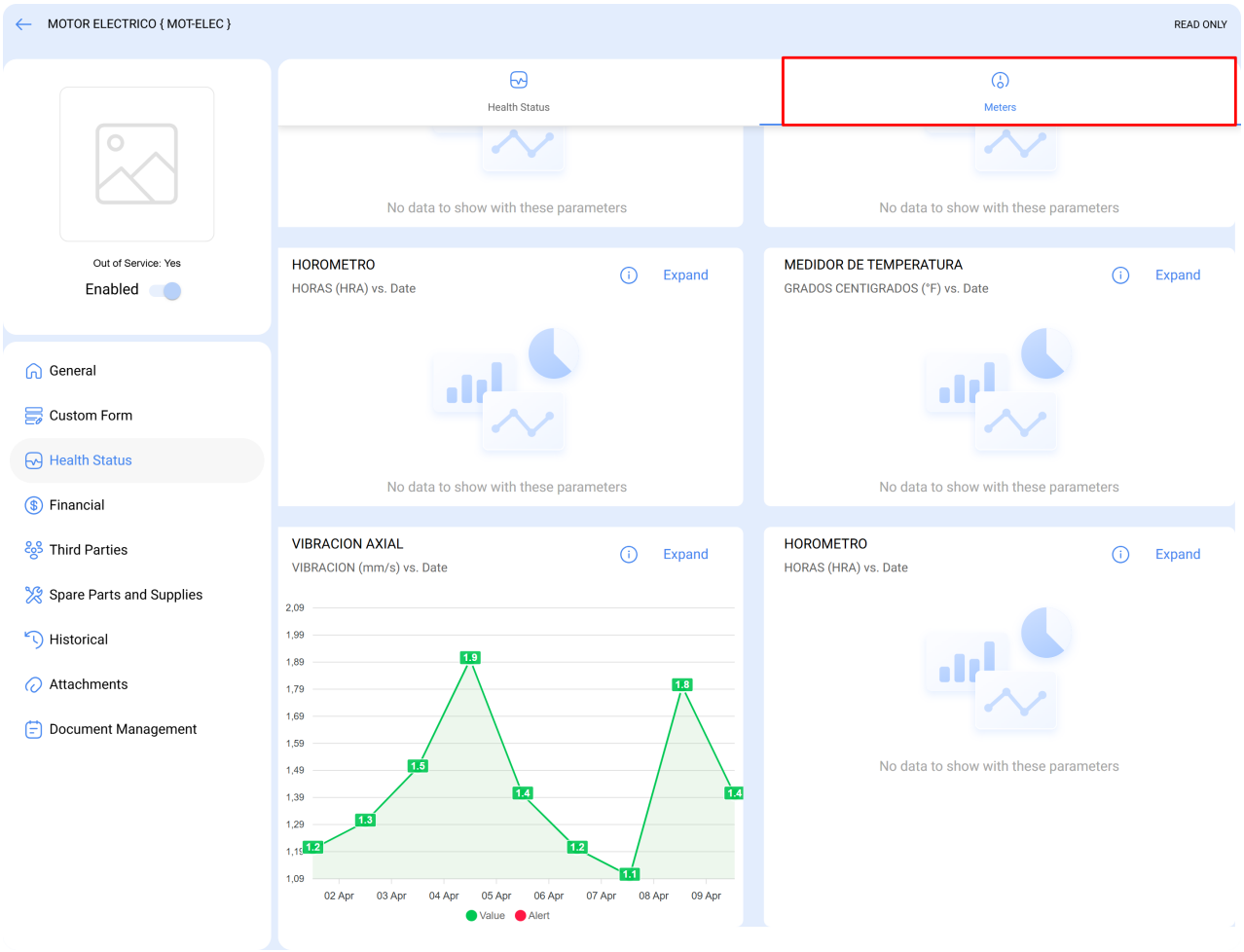



For this first iteration, a balanced percentage of 10% tolerance has been defined in the periodicity of task compliance.

It is expected for the second iteration of the functionality that the user can set the percentage according to the criticality of the compliance according to the task plan.

# Meters

In addition to analyzing the asset's health status, it is possible to view the **meters**, which provides detailed graphs on operational indicators such as hours of use, kilometers traveled, operation cycles, among others.




This visualization complements the reading history already recorded in the asset, allowing for a more accurate interpretation of operational trends and behaviors, enhancing analysis capacity and preventive management.