Spare Part Usage Analysis

Report Module Guide: Spare Part Usage Analysis Report

Module Location

Fixed Asset > Reports > Spare Part Usage Analysis Report

Module Objective

The **Spare Part Usage Analysis Report** module is an advanced analysis tool used to analyze the patterns and frequency of spare part usage. Unlike a regular usage report that only lists what was used, this report helps to analyze how often replacements occur, the durability of spare parts, and to predict future maintenance needs.

1. Report Parameters (Filter)

The main page of this module is a form containing various parameters to focus your analysis.

Here is an explanation for each parameter:

- **Date**:
  - Specify the date range of the maintenance data to be analyzed.
- **Specific Filters**:

- You can focus the analysis by selecting specific filters for **Spare Part, Asset, Supplier,** or **Maintenance Type**. Choose **All** for a general analysis or **Select...** for a targeted analysis.

2. Steps to Generate the Report

Step 1: Set Report Parameters

Define the date range and other relevant filters. For a good analysis, it is recommended to use a long date range (e.g., 6-12 months).

Step 2: Generate the Report

After all parameters are set, click one of the two buttons at the bottom:

- **[Display Report]**: To preview the analysis report directly on your screen.
- **[Export to MS Excel]**: To download the report data in an Excel file format.

3. Reading the Report (Report Content)

The generated report will be an analysis table that summarizes the performance and usage patterns of spare parts.

Pay attention to key analysis columns such as:

- **x times**: Shows how often (frequency) the spare part was replaced in the selected period and for the selected filters.

- **Durability (days)**: Calculates the average lifespan of the spare part (in days) from one replacement to the next.
- **Next Maintenance Date**: Predicts when the next maintenance will likely be needed based on historical durability data.

Tips & Important Notes

- This report is an analysis tool for shifting from reactive maintenance to **predictive maintenance**.
- The **Durability (days)** data is very useful for evaluating the quality of spare parts from different suppliers. If a spare part from Supplier A has a longer durability than one from Supplier B, this can be a basis for purchasing decisions.
- This is a highly strategic report for **Maintenance Managers** and **Reliability Engineers**.

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