

# Version 25



Trapeze

Enterprise Asset Management

**Replacement Analysis Replacement Modeling**

Administrator Guide

**Trade Secret | February 2025**

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## Technical Support

Trapeze provides several ways to connect with the Customer Care team. Please provide detailed information to the representative. If you are reporting an issue by e-mail, include any error messages, screen shots of your problem, and steps to replicate the issue.

Customer Care is available Monday through Friday, 8:00 a.m. to 8:00 p.m., Eastern Standard Time.

Toll-Free Telephone: 1-877-411-8727

E-mail: [cc@trapezegroup.com](mailto:cc@trapezegroup.com)

FTP Site: <https://ftps.trapezegroup.com/>

Web Site: <https://collaborate.trapezegroup.com>

The website provides access to Trapeze Collaborate which offers resources to implement and operate the software, search knowledge, participate in communities, log/track service requests, sign-up for release alerts, view product health recommendations, and download updates or documentation. For secure access to Collaborate, contact Customer Care through the website or by calling the number above.

## Product Compatibility

Refer to the latest [Product Compatibility](#) information on Trapeze Collaborate for requirements including operating system information, databases, Crystal reports, network protocol, HTTP servers and browsers that are supported.

# Replacement Modeling: Replacement Analysis - Administrator Guide

Version 25.x  
February 2025

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# 1. Overview

The Replacement Modeling: Replacement Analysis Module is an easy to use, browser-based interface designed to allow users to analyze the performance of vehicles compared to others in the same category and set each vehicle for replacement, schedule replacements, and enter estimated replacement costs.



Component equipment units are analyzed the same as any other equipment unit, based on the repair costs charged directly against the component unit. There are no limits on asset type for being able to analyze and score the data. The important distinction is that any equipment (component or otherwise) is analyzed based on its own costs and its own usage.

## Requirements

Application 25.x

Web Modules 25.x

## Assumptions

This guide assumes familiarity with workflows and configuration of the application.



User defined required fields that do not appear in the Web Modules will return validation messages.



Special characters cannot be placed into the Web Modules fields or unanticipated results may occur. This would include any character that cannot be typed with a standard keyboard.



Do not use the browser's **Back** button in the Web Modules as unanticipated results may occur.



Do not open or use the same instance of the web portals in multiple browser windows or tabs. This can cause errors or unexpected performance issues.

## 2. Install/Upgrade Replacement Analysis

Please refer to the *Administrator Guide – Install/Upgrade Steps and Configuration, Adding Modules and Tabs* sections for instructions on installing and upgrading Web Modules.

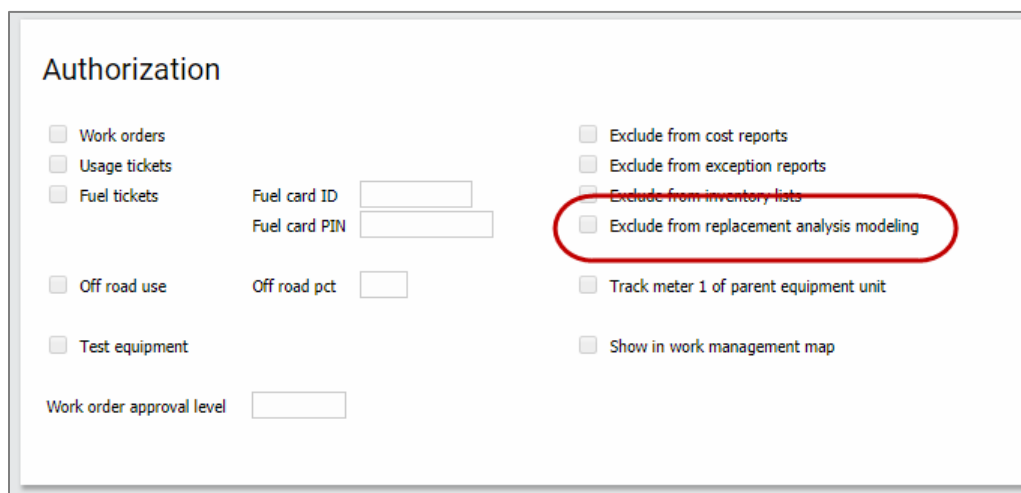
## 3. Add an Asset Replacement Analysis Tab to Web Modules

Once you have installed the Replacement Analysis Module, you will need to add a tab to your Web Modules installation for the Asset Replacement Analysis Module definition to make the functions of Replacement Analysis available to Web Modules users.

Please refer to the *Administrator Guide, Configuration – Adding Modules and Tabs* section for detailed instructions on adding new tabs and configuring security access for those tabs.

After you have added a Replacement Analysis tab, be sure to exit your browser and open a new browser window prior to using the tab to perform Replacement Analysis.

- ✓ On the **Fleet Equipment > Authorizations** tab, you may restrict equipment units from analysis with the **Exclude from replacement analysis modeling** flag as shown in the screenshot below.



The screenshot shows the 'Authorization' configuration page. It contains several checkboxes and input fields. The checkbox 'Exclude from replacement analysis modeling' is highlighted with a red circle. Other visible options include 'Work orders', 'Usage tickets', 'Fuel tickets', 'Off road use', 'Test equipment', 'Work order approval level', 'Exclude from cost reports', 'Exclude from exception reports', 'Exclude from inventory lists', 'Track meter 1 of parent equipment unit', and 'Show in work management map'. Input fields for 'Fuel card ID', 'Fuel card PIN', and 'Off road pct' are also present.

## 4. Understanding the Module

The Replacement Analysis module is easy to use.

➡ Open the Replacement Analysis tab.

*The initial Replacement Analysis page appears.*

| Asset Replacement Analysis Portal |  |            |                        |
|-----------------------------------|--|------------|------------------------|
| Replacement Runs: 2               |  |            |                        |
|                                   |  | Run ID     | Description            |
| <a href="#">View</a>              |  | TEST RUN 3 | TEST RUN 3 DESCRIPTION |
| <a href="#">View</a>              |  | AARONS RUN | AARONS RUN             |

*The Replacement Analysis page displays the replacement runs by run ID and description.*

### View/Edit a Replacement Run

1. Click the **View** link to view a specific replacement run.

| Asset Replacement Analysis Portal |  |            |                        |
|-----------------------------------|--|------------|------------------------|
| Replacement Runs: 2               |  |            |                        |
|                                   |  | Run ID     | Description            |
| <a href="#">View</a>              |  | TEST RUN 3 | TEST RUN 3 DESCRIPTION |
| <a href="#">View</a>              |  | AARONS RUN | AARONS RUN             |

*You are taken to the Replacement Run page.*

| Performance Analysis                                                                                                                                                                                                                |                    |             |             |                                        |                        |              |               |              |               |              |               |                  |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-------------|-------------|----------------------------------------|------------------------|--------------|---------------|--------------|---------------|--------------|---------------|------------------|--|
| Run                                                                                                                                                                                                                                 |                    |             |             |                                        |                        |              |               |              |               |              |               |                  |  |
| Run ID                                                                                                                                                                                                                              | TEST RUN 3         |             |             | Description                            | TEST RUN 3 DESCRIPTION |              |               |              |               |              |               |                  |  |
| Run Comments                                                                                                                                                                                                                        | TEST RUN 3 COMMENT |             |             |                                        |                        |              |               |              |               |              |               |                  |  |
| Model ID                                                                                                                                                                                                                            | TEST MDL 3         |             |             | Description                            | TEST MDL 3 DESCRIPTION |              |               |              |               |              |               |                  |  |
| Model Comments                                                                                                                                                                                                                      | TEST MDL 3 COMMENT |             |             |                                        |                        |              |               |              |               |              |               |                  |  |
| Replacement Equipment: 1                                                                                                                                                                                                            |                    |             |             |                                        |                        |              |               |              |               |              |               |                  |  |
| Category                                                                                                                                                                                                                            | ALL                |             |             | Total Estimated Replacement Cost: \$ 0 |                        |              |               |              |               |              |               |                  |  |
| <input type="checkbox"/>                                                                                                                                                                                                            | Equipment ID       | Category ID | Total Score | Service Life                           | Expected Life          | Cost Capital | Equip Capital | Replace Cost | Replace Month | Replace Year | Total Meter 1 | Expected Meter 1 |  |
| <input type="checkbox"/>                                                                                                                                                                                                            | 1010               | TEST CAT 3  | 63.00       | 39                                     | 0                      | 0.00         | 0.00          | 10000.00     |               |              | 511104        | 50000            |  |
| <div> <div> <div>Back</div> <div>Export</div> </div> <div>Save Replacements</div> </div> <div> <div>Actions for Selected Items</div> <div>Set Replace Year: <input type="text"/></div> <div>Add to Repl Candidate List</div> </div> |                    |             |             |                                        |                        |              |               |              |               |              |               |                  |  |

2. On this page, you may view the data for the replacement run (for example, the totals for the equipment and the expected totals for the performance category). Use the **Category** drop-down to filter the list by category.

Replacement Equipment: 1

Category **ALL**

|                          | Equipment ID | Category ID | Total Score |
|--------------------------|--------------|-------------|-------------|
| <input type="checkbox"/> | 1010         | TEST CAT 3  | 63.00       |

The results are sorted by the Total Score in descending order because a higher score indicates poorer performance as compared to other equipment in the same category and a higher likelihood of being a candidate for replacement.

By comparing the actual totals to the category expected totals, the user may determine if the equipment should be replaced.

- Enter a replacement cost, replacement month, or replacement year to set it as a piece of equipment to be replaced.
- Click **Save Replacements** to save your entry.



As you update the replacement month and year, the Total Estimated Replacement Cost updates. Entering a zero in both month and year, when there was a valid month or year entered before causes the replacement cost to be subtracted from the Total, and indicates the vehicle will not be replaced.

- Click **Export** to export the displayed replacement equipment to a comma separated value (CSV) file.
- Hover over an asset to see all the replacement analysis data for the particular asset.

Replacement Equipment: 1

Category **ALL** Total Estimated Replacement Cost: \$ 0

|                          | Equipment ID | Category ID | Total Score | Service Life | Expected Life | Cost Capital | Equip Capital | Replace Cost | Replace Month | Replace Year | Total Meter 1 | Expected Meter 1 |
|--------------------------|--------------|-------------|-------------|--------------|---------------|--------------|---------------|--------------|---------------|--------------|---------------|------------------|
| <input type="checkbox"/> | 1010         | TEST CAT 3  | 63.00       | 39           | 0             | 0.00         | 0.00          | 10000.00     |               |              | 511104        | 50000            |

**Equipment ID: 1010 - Totals and Averages**

| Scores        |        |                |        |                       |        |                  |      |                  |        |  |  |
|---------------|--------|----------------|--------|-----------------------|--------|------------------|------|------------------|--------|--|--|
| Age           | 100.00 | Capital        | 0.00   | Condition             | 100.00 | Fuel Consumption | 0.00 | Maintenance Cost | 100.00 |  |  |
| Shop Downtime | 100.00 | Cost per Usage | 100.00 | Maintenance per Usage | 100.00 | Fuel per Usage   | 0.00 | Oil Consumption  | 0.00   |  |  |
| User Downtime | 100.00 | Reliability    | 0.00   | Usage                 | 100.00 |                  |      |                  |        |  |  |

| Totals and Averages        |                      |                      |                      |                    |                        |
|----------------------------|----------------------|----------------------|----------------------|--------------------|------------------------|
| Months In Service          | 39/39.00 AVG.        | Cost Capital         | 0.00/0.00 AVG.       | Equipment Capital  | 0.00/0.00 AVG.         |
| Condition Rank             | 5/5.00 AVG.          | Fuel Consumption     | 0.00/0.00 AVG.       | Maintenance Cost   | 60524.54/60524.54 AVG. |
| Shop Downtime Hours        | 8005.23/8005.23 AVG. | User Downtime Hours  | 3540.99/3540.99 AVG. | Cost per Usage     | 0.12/0.12 AVG.         |
| Oil Consumption            | 0.00/0.00 AVG.       | Breakdowns per Month | 0/0.00 AVG.          | Life Total Meter 1 | 511104/511104.00 AVG.  |
| Maintenance Cost per Usage | 0.12/0.12 AVG.       | Fuel per Usage       | 0.00/0.00 AVG.       |                    |                        |

- In the **Actions for Selected Items** section of the page, you may set the replacement year for selected rows in the replacement list.

- i. Select rows by placing a check in the box to the left of the row.
- ii. Enter a replacement year in the **Set Replace Year** field.
- iii. Click **Add to Replacement Candidates List** to add the selected rows to the Replacement Candidates List.

Replacement Equipment: 1

Category: ALL Total Estimated Replacement Cost: \$ 0

| <input type="checkbox"/>            | Equipment ID | Category ID | Total Score | Service Life | Expected Life | Cost Capital | Equip Capital | Replace Cost | Replace Month | Replace Year | Total Meter 1 | Expected Meter 1 |
|-------------------------------------|--------------|-------------|-------------|--------------|---------------|--------------|---------------|--------------|---------------|--------------|---------------|------------------|
| <input checked="" type="checkbox"/> | 1010         | TEST CAT 3  | 63.00       | 39           | 0             | 0.00         | 0.00          | 10000.00     |               |              | 511104        | 50000            |

< ————— >

Actions

Back Save Replacements

Export

Actions for Selected Items

Set Replace Year: 2017

Add to Repl Candidate List

*The selected equipment replacement year is updated and the items are added to the Replacement Candidate List.*

8. Click **Back** to go back to the Main Replacement Analysis page.