

Equipment Health View User Guide



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Learning about Equipment Health View

Equipment Health View (EHV) is a web-based application that consolidates equipment information from Railinc's Umler[®], Equipment Health Management System (EHMS), Damaged and Defective Car Tracking (DDCT), and Equipment Advisory (EA) systems, as well as mileage information from the Event Repository.

Overview

Equipment Health View enables authorized users to:

- View a subset of Umler data for an Equipment ID
 - Report repairs and associate component IDs
 - Report inspections for an Equipment ID for Equipment Advisories, EHMS, and Umler
 - View Equipment Advisory notices for an Equipment ID
 - View alert status for an Equipment ID
 - View data summaries for an Equipment ID
 - View damaged and defective status for an Equipment ID
 - View mileage for an Equipment ID
 - View inspection status for an Equipment ID
 - View location status for an Equipment ID
-

Prerequisites

To attain full use of EHV, contact your Company Admin and request the following application-specific SSO permissions:

- EHV
 - EHV Generic Access
- Umler
 - Umler Access for Maintenance
 - Umler Access for Query
 - Umler Inspection Rights (for reporting inspections)
- EHMS
 - Generic Access
 - Car Repair History (for reporting any repairs and inspections)
- DDCT
 - Handling Carrier (if applicable)
 - Car Owner (if applicable)
- Equipment Advisory
 - Equipment Advisory Query
 - Equipment Advisory Rept Inspections
- CRB
 - CRB Billing Repair Card User

User Tools and References

Refer to the following guides for information about application-specific reporting and requirements:

- [Umler User Guide](#)
- [EHMS User Guide](#)
- [Equipment Advisory User Guide](#)
- [DDCT User Guide](#)
- [Component Tracking User Guide](#)
- [CRB Procedures Manual](#)
- [AAR Field Manual](#) (link to purchase)
- [AAR Office Manual](#) (link to purchase)

System Requirements

For information about the system requirements of Railinc web applications and for information about downloading compatible web browsers and file viewers, refer to the [Railinc UI Dictionary](#).

Accessing the Railinc Customer Success Center

The Railinc Customer Success Center provides reliable, timely, and high-level support for Railinc customers. Representatives are available to answer calls and respond to emails from 7:00 a.m. to 7:00 p.m. Eastern time, Monday through Friday, and provide on-call support via pager for all other hours to ensure support 24 hours a day, 7 days a week. Contact us toll-free by phone at 877-RAILINC (1-877-724-5462) or send an email directly to csc@railinc.com.

Getting Started

The Equipment Health View application is accessed using the Railinc Single Sign On (SSO), which can be accessed from the Railinc portal at <https://public.railinc.com/> and log into SSO by selecting the **Customer Login** link in the top right corner.

Register to Use Railinc SSO

Before you can use Equipment Health View, you must register to use Railinc Single Sign On, which provides access to Railinc applications. Refer to the [Single Sign-On and Launch Pad User Guide](#). Once you are registered to use SSO, you can use SSO to request access to EHV.

Requesting Equipment Health View Access

After authorization to use Railinc SSO is received, you must request access to EHV (see [Exhibit 1](#)). Refer to the [Single Sign-On and Launch Pad User Guide](#) for more information. See [Prerequisites](#) for additional requirements.

Exhibit 1. EHV Request Permission

The screenshot shows a web interface for requesting access to Equipment Health View. At the top, there is a breadcrumb trail: Home / Request Application Access by Role. Below this is a header area with a green 'ACTIVE' status indicator. The main content area is titled 'Equipment Health View' and includes a sub-header 'Equipment Health View'. A progress bar at the top of the form shows three steps: 1. Select Roles (active), 2. Confirm, and 3. Done. There are two checkboxes for roles: 'EHV Generic Access (MARK required)' and 'EHV Road Admin (MARK required)'. Each checkbox has a description of the role's permissions. Below the checkboxes is a 'Comments...' field. At the bottom right, there are 'Return' and 'Next' buttons. The page number '0/250' is visible in the bottom right corner.

When you receive e-mail notification of access to EHV, you can log on and begin using EHV.

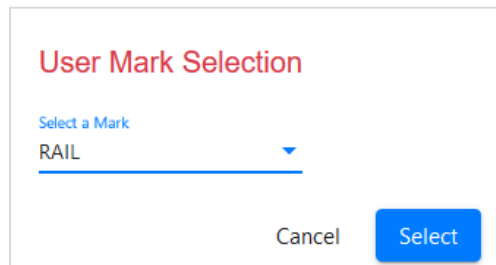
Logging In

To log into Equipment Health View:

1. Open your internet browser and enter <https://public.railinc.com> to open the Railinc website.
2. Select the **Customer Login** link in the upper right of the page. The Account Access page is displayed.
3. Enter your **User ID** and **Password**. Select **Sign In**. The Railinc Launch Pad is displayed.
4. In **My Applications**, select **Equipment Health View**.

The **User Mark Selection** popup is displayed ([Exhibit 2](#)). Use the drop-down to select the desired company and select **Submit**.

Exhibit 2. User Mark Selection



The screenshot shows a modal window titled "User Mark Selection" in red text. Below the title is a dropdown menu with the text "Select a Mark" in blue and "RAIL" below it. At the bottom right are two buttons: "Cancel" and "Select".

The Equipment Health View Home page is displayed ([Exhibit 3](#)).

Note: The logged in user at the top right of the Welcome page reflects the selected company for multi-company users.

Exhibit 3. Equipment Health View Home Page

The screenshot displays the Equipment Health View Home Page with the following sections:

- Search:** A search input field with "Clear" and "Search" buttons.
- Equipment Location:** "No location data found for equipment"
- Umler Registry:** "No UMLER data found for equipment" with a "Launch Umler" button.
- Repair and Inspection Reporting:** "No equipment selected"
- Umler Inspections:** "No UMLER inspection data found for equipment" with a "Launch Umler" button.
- Equipment Health Management System:** "No open alerts found for equipment" and "No open data summaries found for equipment" with a "Launch EHMS" button.
- Damaged and Defective Car Tracking:** "No DDCT items found for equipment" with a "Launch DDCT" button.
- Equipment Advisory:** "No equipment advisory assignments found for equipment" with a "Launch Equipment Advisory" button.
- Mileage:** "No equipment mileage records found for equipment"

Logging Out

Select the **Sign Out** link to end an Equipment Health View (SSO) session. You are returned to the SSO Login Page.

If multiple SSO applications are open (in separate browser windows), and you want to close only one, close the unwanted window using **X**, or **Alt+F4**. Do NOT select the **Sign Out** link—it ends the entire Single Sign-On session (and *all* applications).

Time Out/Unauthorized

When the Equipment Health View session has been idle for 30 minutes, messages similar to [Exhibit 4](#) are displayed. You must log back into EHV to continue working. You may see the red prompting messages if you don't have permissions to view or submit information from respective applications.

Exhibit 4. Timeout/Unauthorized Messages

The screenshot shows a dialog box with the following content:

- Session Timeout:** "Your session has timed out. Please log back in to continue." with a "Close" button.
- Unauthorized Messages:** A list of three error messages, each with a red 'x' icon and a close button:
 - Report ABT M - Manual: Not authorized to submit this Air Brake Test.
 - Not authorized to submit this Air Brake Test.
 - Report UMLER Inspection - Failed

Using Equipment Health View

Equipment Health View is a dashboard-style interface that enables you to see pertinent information from various Railinc applications at a glance. Information from different applications is displayed in *portlets* as shown below.

Exhibit 5. Equipment Health View Home Page Search Results

Search

RAIL347

Clear Search

RAIL0000000347

Repair and Inspection Reporting- RAIL0000000347

Equipment ID * RAIL0000000347 Repair Date * 9/1/2022 x SPLC * Performer * RAIL Reporter *

Select Action Clear Submit

Umler Inspections

No UMLER inspection data found for equipment RAIL0000000347

Launch Umler

Equipment Health Management System

No open alerts found for equipment RAIL0000000347

Data Summaries

Data Summary	Location	Status	Maximum Readings
BrakeHealth_CAR	Base	No alert	BHI 99

Launch EHMS

Damaged and Defective Car Tracking

No DDCT items found for equipment RAIL0000000347

Launch DDCT

Equipment Advisory

No equipment advisory assignments found for equipment RAIL0000000347

Launch Equipment Advisory

Mileage

A system error has occurred, please try again. If you continue to receive this error contact Railinc Support.

Certain portlets enable you to launch the source application for the portlet. To do this, select the launch link at the bottom of the portlet. If you have authorization, the source application opens, and you can use that application. If you do not have authorization, an SSO Unauthorized Access Attempt Warning is displayed.

Using Equipment Health View

The following applications are available to launch from EHV:

- Umler
- EHMS
- DDCT
- Equipment Advisory

Hint: Click the launch link to open the application in a new browser window.

To return from a linked application, select the Launch Pad link at the top of the application, reselect **Equipment Health View**. The most recent search remains.

Several portlets have a refresh icon (🔄) in the upper right corner. Select the icon to refresh the contents of that portal.

The following sections describe EHV functionality:

- [Using the Search Portlet](#)
- [Using the Equipment Location Portlet](#)
- [Using the Umler Registry Portlet](#)
- [Using the Repair and Inspection Reporting Portlet](#)
- [Using the Umler Inspections Portlet](#)
- [Using the Equipment Health Management System Portlet](#)
- [Using the Equipment Advisory Notices Portlet](#)
- [Using the Damaged and Defective Car Tracking Portlet](#)
- [Using the Mileage Portlet](#)
- [Accessing the User Guide](#)

Using the Search Portlet

To use the Search portlet to search for a specific piece of equipment or a range of equipment:

1. Type an Equipment ID or a range of Equipment IDs in the Search box and select **Search**. Results found are shown below.

Note: You can view up to 200 IDs in the results list. Wildcards are not supported.

Exhibit 6. Search Results for Multiple Equipment IDs

The screenshot displays the Search Portlet interface. On the left, a search box contains 'RAIL1-50' with 'Clear' and 'Search' buttons. Below it is a list of equipment IDs from RAIL0000000001 to RAIL0000000006, with 'RAIL0000000003' selected and a 'View' button. A message states: 'Please click on the View button for car results'. Below the list are portlets for 'Equipment Location' (confidential), 'Umler Registry', and 'Mileage' (system error).

The main content area shows results for 'RAIL0000000003':

- Repair and Inspection Reporting- RAIL0000000003**: Shows fields for Equipment ID, Repair Date (9/26/2022), SPLIC, Performer, and Reporter (CSXT). Includes 'Select Action', 'Clear', and 'Submit' buttons.
- Umler Inspections**: States 'No UMLER inspection data found for equipment RAIL0000000003' and has a 'Launch Umler' button.
- Equipment Health Management System Alerts**: Contains a table of alerts.

Alert Type	Location	Alert Level	At Level Since	Event Name	Action	Action
MV Coupler E Securement	Coupler B	ATSI Window Open	12/11/2019	MIS_RETAINER	Inspection	
ABD	Wheel Bearing 02L	AAR, A1	08/29/2019	Cup_SA_Eq_1	Inspection	Repair
ABD	Wheel Bearing 02R	AAR, A1	08/29/2019	Cone_SA_Eq_1	Inspection	Repair
- Damaged and Defective Car Tracking**: States 'No DDCT items found for equipment RAIL0000000003' and has a 'Launch DDCT' button.
- Equipment Advisory**: States 'No equipment advisory assignments found for equipment RAIL0000000003' and has a 'Launch Equipment Advisory' button.
- Mileage**: Shows a system error message: 'A system error has occurred, please try again. If you continue to receive this error contact Railinc Support.'

When a range is submitted, the equipment list displays below the Search portlet. Data obtained for the *first* Equipment ID in the list is displayed in the other portlets.

To view information for a different Equipment ID in the equipment list, scroll to a different ID and select the **View** button associated with that ID. The data is refreshed in the other portlets.

2. To execute a new search, overtype the Search field and select the **Search** button.

Using the Equipment Location Portlet

The Equipment Location portlet displays equipment location information from the Event Repository. This portlet displays the location (city/state) and last move information to the car owner.

Exhibit 7. Equipment Location Sample



Note: If no events have been reported, the Equipment Location portlet displays the following message: No location data found for equipment [RAIL0000000347].

If you are not the car owner, the portlet displays “Location information for equipment *<car number>* is confidential”.

Using the Umler Registry Portlet

The Umler Registry portlet displays information about the searched Equipment ID. Content varies based on the information available from Umler.

Exhibit 8. Umler Registry Sample

The screenshot shows a portlet titled "Umler Registry" with a refresh icon. It is divided into three sections: "General", "Capacity", and "Specifications".

General	
Stenciled Mark Owner	RAIL
Status Code	P - PRE-REGISTERED
Built Date	10/10/2000
Equipment Type Code	M550

Capacity	
Gross Rail Load/Weight	80000 lb
Load Limit	40000 lb

Specifications	
Truck Count	2
Axle Count	4
Outside Length	45 ft, 1 in

At the bottom of the portlet is a link labeled "Launch Umler".

Note: Other than launching Umler, no actions are available from this portlet.

To view the complete data for the selected Equipment ID, select the **Launch Umler** link at the bottom of the portlet and query the Equipment ID. Refer to the [Umler User Guide](#) for information about performing an Equipment ID query in Umler.

Using the Repair and Inspection Reporting Portlet

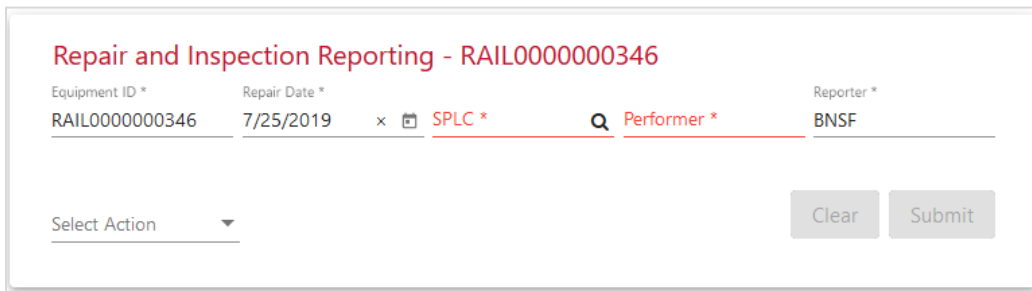
The Repair and Inspection Reporting portlet enables authorized users to submit various inspections and repairs, including multiple entries that can be submitted at the same time ([Exhibit 19](#) and [Exhibit 20](#)), and requires EHMS Generic Access and EHMS Car Repair History permissions.

This portlet can be used in two different ways:

- 1) Choose the Select Actions dropdown to select repairs or inspections.
- 2) This portlet is automatically invoked when you select an Inspection or Repair link in another portlet.

For all entries, the default input fields (Equipment ID, Repair Date, SPLC, Performer, and Reporter) are required. Equipment ID and Reporter are defaulted to selected equipment and the [User Mark Selection](#) when opening EHV.

Exhibit 9. Repair and Inspection Reporting by Equipment ID Form



Repair and Inspection Reporting - RAIL0000000346

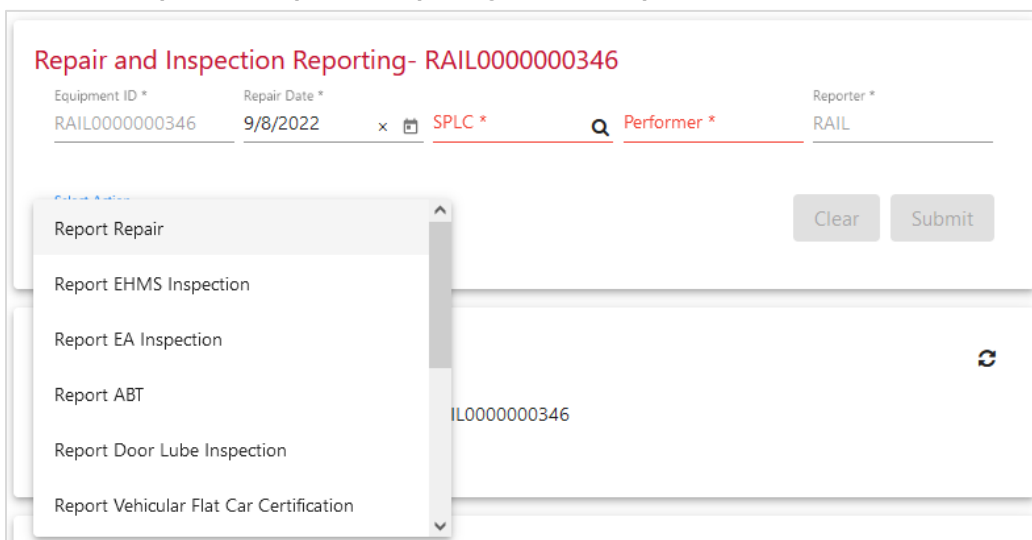
Equipment ID * Repair Date * Reporter *

RAIL0000000346 7/25/2019 x SPLC * Performer * BNSF

Select Action Clear Submit

The various repairs or inspections can be selected from the Select Action drop-down.

Exhibit 10. Repair and Inspection Reporting Actions Drop-Down



Repair and Inspection Reporting- RAIL0000000346

Equipment ID * Repair Date * Reporter *

RAIL0000000346 9/8/2022 x SPLC * Performer * RAIL

Select Action Clear Submit

- Report Repair
- Report EHMS Inspection
- Report EA Inspection
- Report ABT
- Report Door Lube Inspection
- Report Vehicular Flat Car Certification

IL0000000346

When an action is selected, entry fields open between the default input fields in the portlet and the **Select Action** drop-down.

Exhibit 11. Repair and Inspection Reporting Action Selected

The screenshot shows a web form titled "Repair and Inspection Reporting- RAIL0000000347". The form has several input fields and buttons. At the top, there are fields for "Equipment ID *" (RAIL0000000347), "Repair Date *" (12/2/2019), "SPLC *" (SPLC required), "Performer *" (Performer required), and "Reporter *" (RAIL). Below these, there is a "Report Repair" section with a minus icon (-) and fields for "Job Code *" (Job Code required), "A. Qualifier", "Why Made", "CRB Location *" (CRB Location required), and "Component ID". At the bottom, there is a "Select Action" dropdown menu, a red "Clear" button, and a grey "Submit" button.

General Interface Description:

- The type of action is indicated at the left (EHMS Repair).
- For all entries, the default input fields (**Equipment ID**, **Repair Date**, **SPLC**, **Performer**, and **Reporter**) are required.
- If action was selected in error, it can be removed using the minus icon (⊖) at the left.
- The **Submit** button submits the input to the appropriate system.
- The **Clear** button removes all selected actions from the portlet (*including processed actions*).
- Input fields for each action vary. These are described in the following sections:
 - [Report Repair](#)
 - [Report EHMS Inspection](#)
 - [Report Equipment Advisory Inspection](#)

Umler Inspections:

- [Report ABT](#) – all these are the same as Report ABT:
 - Report Door Lube Inspection
 - Report Vehicular Flat Car Certification
 - Report Autorack Certification
 - Report Autorack Repair
 - Report Reflectorization Event
- [Report Autorack Inspection](#)
- [Report Car Grade Inspection](#)

Report Repair

Note: You must have CRB and/or EHMS Car Repair History SSO permissions to report car repairs.

When you select **Report Repair** from the drop-down, the Report Repair fields are displayed.

Exhibit 12. Repair and Inspection Reporting Report Repair Form

1. Use the calendar icon (📅) to select the **Repair Date** to be reported.
2. Type in the **SPLC** where the repair was done or use the lookup icon (🔍) to search for the SPLC.
3. Type in the MARK of the **Performer** (e.g., a shop mark).
4. The **Reporter** defaults to your company.
5. Complete the following fields in accordance with the *AAR Field Manual* and the *AAR Office Manual*:
 - a. **Job Code**
 - b. (conditional) **Applied Qualifier**
 - c. (conditional) **Why Made**
 - d. **CRB Location**
 - e. (conditional) **Component ID**—from Umler Component Registry
6. When the input fields are complete, select **Submit**. The portlet displays the reported repair ([Exhibit 13](#)) and success or error messages. For errors messages (error messages are in red), correct the inputs and **Submit** again. For more message examples, see [Exhibit 19](#) and [Exhibit 20](#).

Exhibit 13. Repair and Inspection Reporting Success Message

The screenshot shows a form titled "Repair and Inspection Reporting- RAIL0000000347". It contains several input fields: "Equipment ID *" with value "RAIL0000000347", "Repair Date *" with value "12/2/2019", "SPLC *" with value "123456", "Performer *" with value "RAIL", and "Reporter *" with value "RAIL". Below these are fields for "Job Code *" (3334), "A. Qualifier", "Why Made", "CRB Location *" (1), and "Component ID". A green success message box states: "EHMS: Submitted closures Succeeded. 1 closures Submitted, 0 Failed Validation, 0 Had Errors." At the bottom, there is a "Select Action" dropdown, a "Clear" button, and a "Submit" button.

No further edits can be done to the submitted entry. A new action can be selected.

EHMS Inspection

When you select **Report EHMS Inspection** from the **Select Action** drop-down, the EHMS Inspection fields are displayed.

Exhibit 14. Repair and Inspection Reporting EHMS Inspection Form

The screenshot shows the "EHMS Inspection" form for "RAIL0000000347". It includes fields for "Equipment ID *" (RAIL0000000347), "Repair Date *" (12/2/2019), "SPLC *" (SPLC required), "Performer *" (Performer required), and "Reporter *" (RAIL). A dropdown menu for "EHMS Inspection" is open, showing options: ABD, AEIUMLER, THD, TPDG, TPDL, and WILD. The "CRB Location *" field is also present with a "CRB Location required" error message. At the bottom, there is a "Select Action" dropdown, a "Clear" button, and a "Submit" button.

1. Use the calendar icon (📅) to select the **Repair/Inspection Date** to be reported.
2. Type in the **SPLC** where the repair was done or use the lookup icon (🔍) to search for the SPLC.
3. Type in the **MARK** of the **Performer** (e.g., a shop mark).
4. The **Reporter** defaults to your company.
5. Select the **Inspection Type and Reason**. Refer to the [EHMS User Guide](#) and the *AAR Field Manual*.

6. Type in the **CRB location** (refer to *AAR Field Manual*, Rule 83).
7. When the input fields are complete, select **Submit**. The portlet displays the reported repair (similar to [Exhibit 13](#)).

Equipment Advisory Inspection

When you select **Report EA Inspection** from the drop-down, the Equipment Advisory Inspection fields are displayed.

Exhibit 15. Repair and Inspection Reporting Equipment Advisory Inspection Form

Repair and Inspection Reporting- RAIL0000000055

Equipment ID * Repair Date * SPLC * Performer * Reporter *

RAIL0000000055 9/8/2022 x SPLC * Q Performer * RAIL

SPLC required Performer required

Report EA Inspection Category * Advisory Number * ME - Car inspected, defect found, and ow...

EI Advisory Number required MH - Car inspected, defect found, repaire...

Select Action MI - Car deleted from Umler.

MN - Car incorrectly added to Advisory.

MP - An Activity Code was reported in er...

MR - Car inspected, no defect found, and...

Umler Inspections

Air Brake Test

1. Use the calendar icon (📅) to select the **Repair/Inspection Date** to be reported.
2. Type in the **SPLC** where the repair was done or use the lookup icon (🔍) to search for the SPLC.
3. Type in the MARK of the **Performer** (e.g., a shop mark).
4. The **Reporter** defaults to your company.
5. Select the Equipment Advisory **Category** (EI, IN, or SH).
6. Enter the **Advisory Number**.
7. Select the **Inspection Code**. Refer to the [Equipment Advisory User Guide](#).
8. When the input fields are complete, select **Submit**. The portlet displays the reported repair (similar to [Exhibit 13](#)).

ABT Inspection

When you select **Report ABT** from the drop-down, the Report ABT fields are displayed ([Exhibit 16](#)).

Exhibit 16. Repair and Inspection Reporting ABT Inspection Form

Repair and Inspection Reporting- RAIL0000000347

Equipment ID * RAIL0000000347 Repair Date * 12/2/2019 x SPLC * Performer * Reporter * RAIL

SPLC required Performer required

Report ABT Device Type * M - Manual

Select Action

Note: This interface is also used for the following:

- Door Lube
- Vehicular Flat Car Certification
- Autorack Certification
- Autorack Repair
- Reflectorization Event
- Autorack Inspection
- Car Grade Inspection

1. Use the calendar icon () to select the **Inspection Date** to be reported.
2. Type in the **SPLC** where the repair was done or use the lookup icon () to search for the SPLC.
3. Type in the **MARK** of the performer (e.g., a shop mark).
4. The Reporter defaults to your company.
5. Select the Device Type (Manual, Automatic, or 4-Port) – refer to the [Umler User Guide](#) for more information on device types.
6. When the input fields are complete, select **Submit**. EHV displays the reported inspection (similar to [Exhibit 13](#)). You can then select new actions.

Autorack Inspection

When you select **Autorack Inspection** from the drop-down, the Report Autorack Inspection fields are displayed ([Exhibit 17](#)).

Exhibit 17. Repair and Inspection Reporting Autorack Inspection Form

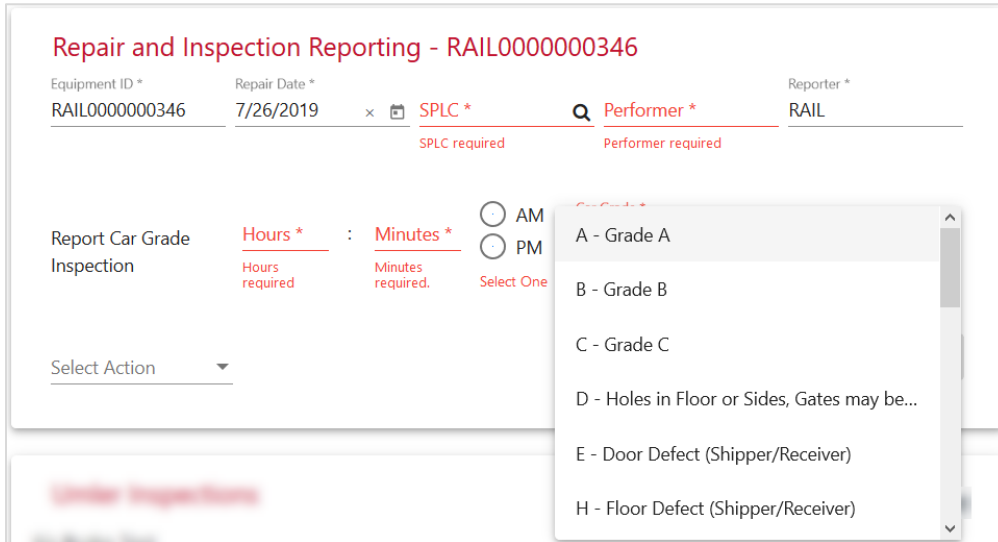
The screenshot shows a web form titled "Repair and Inspection Reporting- RAIL0000000347". At the top, there are input fields for "Equipment ID *" (RAIL0000000347), "Repair Date *" (12/2/2019) with a calendar icon, "SPLC *" (SPLC required), "Performer *" (Performer required) with a search icon, and "Reporter *" (RAIL). Below these are several dropdown menus for inspection details: "Report Autorack Inspection" (selected), "Inspector ID *" (Inspector ID required), "Ext. Door *" (Ext. Door required), "Ext. Roof Sheets *" (Ext. Roof Sheets required), "Ext. Shear Panel *" (Ext. Shear Panel required), "Ext. Side Screens *" (Ext. Side Screens required), "Int. Door *" (Int. Door required), "Int. Shear Panel *" (Int. Shear Panel required), "Int. Side Posts *" (Int. Side Posts required), "Top Deck Surface *" (Top Deck Surface required), and "Underside of Deck *" (Underside of Deck required). At the bottom left is a "Select Action" dropdown, and at the bottom right are "Clear" and "Submit" buttons.

1. Use the calendar icon (📅) to select the **Inspection Date** to be reported.
2. Type in the **SPLC** where the repair was done or use the lookup icon (🔍) to search for the SPLC.
3. Type in the MARK of the performer (e.g., a shop mark).
4. The Reporter defaults to your company.
5. Enter the Inspector's ID.
6. Enter the inspector's grades for each of the nine specified car parts/areas. Refer to the [Umler User Guide](#) for more information.
7. When the input fields are complete, select **Submit**. The portlet displays the reported inspection (similar to [Exhibit 13](#)).

Car Grade Inspection

When you select **Car Grade Inspection** from the drop-down, the Report Car Grade Inspection fields are displayed.

Exhibit 18. Repair and Inspection Reporting (Car Grade Inspection)



The screenshot shows a web form titled "Repair and Inspection Reporting - RAIL0000000346". At the top, there are several input fields: "Equipment ID *" with the value "RAIL0000000346", "Repair Date *" with the value "7/26/2019", "SPLC *" with the value "SPLC *", "Performer *" with the value "Performer *", and "Reporter *" with the value "RAIL". Below these fields are red error messages: "SPLC required" and "Performer required". In the center, there are fields for "Report Car Grade Inspection", "Hours *" (with "Hours required" below), "Minutes *" (with "Minutes required" below), and a "Select One" dropdown for "AM" or "PM". Below these is a "Select Action" dropdown. On the right, a dropdown menu is open, showing options: "A - Grade A", "B - Grade B", "C - Grade C", "D - Holes in Floor or Sides, Gates may be...", "E - Door Defect (Shipper/Receiver)", and "H - Floor Defect (Shipper/Receiver)".

1. Use the calendar icon (📅) to select the **Inspection Date** to be reported.
2. Type in the **SPLC** where the repair was done or use the lookup icon (🔍) to search for the SPLC.
3. Type in the **MARK** of the performer (e.g., a shop mark).
4. The Reporter defaults to your company.
5. Enter the Inspection Time in 12-hour format.
6. Select AM or PM.
7. Select the inspector's car grade from the drop-down. Refer to [Umler User Guide](#).
8. When the input fields are complete, select **Submit**. The portlet displays the reported inspection (similar to [Exhibit 13](#)).

Multiple Actions in One Submission

You can enter both repairs and various inspections in a single submission within the Repair and Inspection Reporting portlet (by selecting **Select Action**), or by selecting a **Repair** or **Inspection** link in another portlet. [Exhibit 19](#) shows one Umler inspection selected using the link within the portlet and two repairs selected from the Select Action drop-down in the Repair and Inspection Reporting portlet with all required data—ready for submission.

Exhibit 19. Multiple Repairs and Inspection Ready for Submission

Repair and Inspection Reporting- RAIL000000109

Equipment ID * RAIL000000109 Repair Date * 12/2/2019 SPLC * 123456 Performer * RAIL Reporter * RAIL

Report Repair Job Code * 3334 A. Qualifier Why Made CRB Location * 3 Component ID

Report ABT Device Type * A - Automatic

Report Repair Job Code * 3276 A. Qualifier Why Made CRB Location * 1 Component ID

Select Action

Umler Inspections ↻

Air Brake Test

ABT Due Date 11/21/2016 Inspection

ABT 5-8 Year Due Date 11/21/2016

[Launch Umler](#)

Equipment Health Management System ↻

Alerts

Alert Type	Location	Alert Level	At Level Since	Action	Action
WILD ALERTS	Wheel 01L	AAR Condemnable	05/08/2019	Inspection	Repair
WILD ALERTS	Wheel 04L	ATSI Window Open	05/08/2019	Inspection	Repair

Data Summaries

Data Summary	Location	Status	Maximum Readings
SALIENT WHEEL IMPACT	Wheel 04L	Window Open65-79KIP alert	Peak 66.0 Dyn 42.1 Ratio 2.8
SALIENT WHEEL IMPACT	Wheel 03L	No alert	Peak 60.0 Dyn 40.0 Ratio 3.0
SALIENT WHEEL IMPACT	Wheel 01R	No alert	Peak 61.2 Dyn 36.1 Ratio 2.4
SALIENT WHEEL IMPACT	Wheel 01L	Condemnable alert	Peak 95.8 Dyn 83.2 Ratio 7.6

[Launch EHMS](#)

[Exhibit 20](#) shows the portlet after submission. The messages with green check icons show that the transactions were successful, and closures executed. Look for responses from the application portlets, and you may need to refresh each portlet to view updates. In this example, the other portlets reflect recent updates (Umler), or removal of completed transactions (only one alert remains in EHMS).

Exhibit 20. Multiple Repairs and Inspection After Submission

Repair and Inspection Reporting- RAIL0000000109

Equipment ID *	Repair Date *		SPLC *	Performer *	Reporter *
RAIL0000000109	12/2/2019	✕	404534000	✕ Q RAIL	RAIL

✖ Report Repair

Job Code *	A. Qualifier	Why Made	CRB Location *	Component ID
3334			3	

✔ EHMS: Submitted closures Succeeded. 1 closures Submitted, 0 Failed Validation, 0 Had Errors. ✕

✖ Report ABT

Device Type *	▼
A - Automatic	

✔ UMLER: ABT transaction is successful ✕

✔ UMLER: Report UMLER Inspection - Successful ✕

✖ Report Repair

Job Code *	A. Qualifier	Why Made	CRB Location *	Component ID
3276			1	

✔ EHMS: Submitted closures Succeeded. 1 closures Submitted, 0 Failed Validation, 0 Had Errors. ✕

Select Action
Clear
Submit

Umler Inspections ↻

Air Brake Test

Inspection Date Done	07/31/2019	Inspection
ABT Due Date	07/31/2020	
ABT 5-8 Year Due Date	07/01/2024	

[Launch Umler](#)

Equipment Health Management System ↻

Alerts

Alert Type	Location	Alert Level	At Level Since	Action	Action
WILD ALERTS	Wheel 04L	ATSI Window Open	05/08/2019	Inspection	Repair

Data Summaries

Data Summary	Location	Status	Maximum Readings
SALIENT WHEEL IMPACT	Wheel 04L	Window Open65-79KIP alert	Peak 66.0 Dyn 42.1 Ratio 2.8

[Launch EHMS](#)


Although no further actions can be taken on the submitted repairs and inspections, you can enter additional inspections or repairs by using the **Select Action** drop-down, or by selecting a link in another portlet.

If the Repair and Inspection Reporting portlet becomes crowded, select **Clear** to remove the entries (whether processed or not).


Using the Umler Inspections Portlet

The Umler Inspections portlet displays Umler Inspection information. Inspections are listed by type.

Exhibit 21. Umler Inspections Sample

Umler Inspections		
<u>Air Brake Test</u>		
Inspection Date Done	10/25/2018	Inspection
ABT Due Date	10/25/2019	
ABT 5-8 Year Due Date	10/01/2023	
<u>Door Lube Inspection</u>		
Inspection Date Done	07/02/2019	Inspection
<u>Reflectorization Event</u>		
Inspection Date Done	07/03/2019	Inspection
Launch Umler		

Note: When you select an **Inspection** link, the Repair and Inspection Reporting portlet opens the corresponding inspection entry field to allow you to input a new inspection (refer to [Exhibit 16](#) after selecting the Inspection link for ABT).


Select the refresh icon () to update the Umler Inspections portlet after submitting inspections.

To view the complete data for the selected Equipment ID, select the **Launch Umler** link at the bottom of the portlet and query the Equipment ID. Refer to the [Umler User Guide](#) for information about performing an Equipment ID query in Umler.


Using the Equipment Health Management System Portlet

The Equipment Health Management System portlet displays EHMS alerts and data summaries for the highlighted Equipment ID. A typical listing of alerts and data summaries is shown in [Exhibit 22](#).

Exhibit 22. Equipment Health Management System Sample

Equipment Health Management System 						
Alerts						
Alert Type	Location	Alert Level	At Level Since	Event Name	Action	Action
WPDWHEEL	Wheel 04R	ATSI Window Open	08/01/2019	RIM_THICKNESS	Inspection	Repair
			08/01/2019	FLANGE_THICKNESS		
Data Summaries						
Data Summary	Location	Status	Maximum Readings			
WPD Data Summary	Wheel 02R	No alert				
WPD Data Summary	Wheel 02L	No alert				
WPD Data Summary	Wheel 03L	No alert				
WPD Data Summary	Wheel 01L	No alert				
WPD Data Summary	Wheel 04R	No alert				
WPD Data Summary	Wheel 01R	No alert				
WPD Data Summary	Wheel 03R	No alert				
WPD Data Summary	Wheel 04L	No alert				
Launch EHMS						

Note: When you select an **Inspection** link, the Repair and Inspection Reporting portlet opens the EHMS Inspection entry field to enable you to input a new inspection (see [Exhibit 14](#)). When the **Repair** link is selected, the Repair and Inspection Reporting portlet opens the Report Repair entry field to enable you to input a new repair (see [Exhibit 12](#)).


Select the refresh icon () to update the EHMS portlet after submitting inspections or repairs.

To view the complete EHMS data for the selected Equipment ID, select the **Launch EHMS** link at the bottom of the portlet and query the Equipment ID in EHMS. Refer to the [EHMS User Guide](#) for more information about EHMS Equipment ID queries as well as details about EHMS alerts and data summaries.

Using the Equipment Advisory Notices Portlet


The Equipment Advisory Notices portlet displays Equipment Advisory notices for the highlighted Equipment ID. Representative Equipment Advisories are shown in [Exhibit 23](#).

Exhibit 23. Equipment Advisory Sample

Equipment Advisory 						
Advisory	Severity	Effective Date	Escalation Date	Title	Location	Action
EI 0100	A2	06/11/2021		014	A	Inspection
EI 0286	XX	07/21/2021		QA-7-21.1	4	Inspection
EI 0360	A2	07/27/2022	07/28/2023	QA		Inspection
SH 4023	XX	03/23/2022		QA		Inspection
IN 3001	A9	05/28/2021		Informational Advisory for Rule 95 Incidents		Inspection
IN 3002	A9	05/28/2021		Informational Advisory for Rule 96 Incidents		Inspection
IN 3004	A9	05/28/2021		Informational Advisory for Rule 108 Incidents		Inspection
IN 3000	A9	05/28/2021		Informational Advisory for Rule 1 Incidents		Inspection
EI 0346	XX	06/09/2022		QA-Sanity		Inspection
EI 0313	A2	11/30/2021	06/10/2023	QA		Inspection
EI 0345	A1	06/08/2022	09/14/2022	QA InitPrioritization		Inspection

[Launch Equipment Advisory](#)

Note: When you select an **Inspection** link, the Repair and Inspection Reporting portlet opens the Equipment Advisory Inspection entry field to enable you to input a new inspection (refer to [Exhibit 15](#)).


Select the refresh icon () to update the Equipment Advisory Notices portlet after submitting inspections or repairs.

To view the complete Equipment Advisory data for the selected Equipment ID, select the **Launch Equipment Advisory** link at the bottom of the portlet and query the Equipment ID. Refer to the [Equipment Advisory User Guide](#) for information about performing an Equipment ID query in Equipment Advisory.

Using the Damaged and Defective Car Tracking Portlet

The Damaged and Defective Car Tracking portlet displays DDCT information if you are party to the incident as shown in [Exhibit 24](#). If you are not party to the incident, no results are displayed.

Exhibit 24. Damaged and Defective Car Tracking Sample

Damaged and Defective Car Tracking 						
Incident ID	Incident Date	Originating Road	Car Mark Owner	Interchange Rule	Defect	Status
NS00334728	07/10/2019	NS	RAIL	102	Y	Open

[Launch DDCT](#)

Note: No actions are available from this portlet. You must report repairs in DDCT.

To view the complete DDCT incident data for the selected Equipment ID, select the **Launch DDCT** link at the bottom of the portlet and query the Equipment ID. Refer to the [DDCT User Guide](#) for information about Equipment ID queries and incident queries.

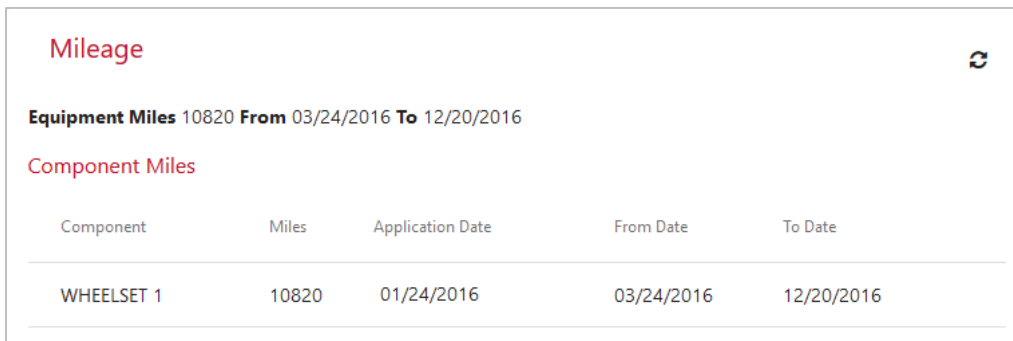
Using the Mileage Portlet

The Mileage portlet displays mileage information from the Event Repository to the car owner. This portlet can show the actual computed mileage, “No Data”, or “Very Few Miles” (if the data is confidential).

- Application Dt (Date) is the repair date reported by the customer.
- From Dt (Date) is the earliest recorded movement date
- To Dt (Date) is the latest recorded movement.

If Components have been added to an Equipment ID, mileage and dates of component application are shown ([Exhibit 25](#)).

Exhibit 25. Mileage with applied Wheelset Components



The screenshot shows a portlet titled "Mileage" with a refresh icon in the top right. Below the title, it displays "Equipment Miles 10820 From 03/24/2016 To 12/20/2016". Underneath, there is a section for "Component Miles" which contains a table with the following data:

Component	Miles	Application Date	From Date	To Date
WHEELSET 1	10820	01/24/2016	03/24/2016	12/20/2016

Note: This information is confidential and is only available to the car owner. No actions other than sorting are available from this portlet. You can obtain detailed component data from Umler. Refer to the [Umler User Guide](#) and the [Component Tracking User Guide](#) for more information.

Accessing the User Guide

To open the user guide for Equipment Health View, select **User Guide** from the menu bar. The user guide opens in a new browser window. You can view, search, or print the user guide. When finished, close the browser window (✕) to return to the Home page.

Note: Other reference materials (webinar slides, demos, and FAQs) are also available on the Railinc web portal at <https://public.railinc.com/products-services/equipment-health-view>.

Glossary

AAR—Association of American Railroads

DDCT—Damaged and Defective Car Tracking system. A damaged car is one governed by Interchange Rule 107. Such cars are badly damaged or destroyed. A defective car is one governed by Interchange Rule 108. Such cars require general repairs in excess of 36 hours including trucks or 25 hours excluding trucks.

EHMS—Equipment Health Management System.

Equipment Advisory—System that handles AAR Equipment Advisory notices.

Equipment Health View (EHV)—A dashboard-style application that provides data from several Railinc applications regarding the health status for specified equipment IDs.

Event Repository—Railinc database of train movements and billing data.

Mileage—Mileage information from the Event Repository. Can also show mileage and dates of component application.

Repair Service—Railinc process that sends data from EHV to the corresponding Railinc system.

Umler[®]—Universal Machine Language Equipment Register (UMLER)

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