

Equipment Health View User Guide



7001 Weston Parkway, Suite 200
Cary, North Carolina 27513

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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 Early Warning (EW/MA) 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 Early Warnings, EHMS, and Umler
 - View Early Warning 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)
- EW/MA
 - Early Warning Query
 - Early Warning 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](#)
- [EW/MA Advisory Procedures Manual/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 <http://www.railinc.com>. The SSO log in is located at the upper right of the page.

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 [Railinc Single Sign On/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 [Railinc Single Sign On/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 bar with a blurred name and an 'ACTIVE' status indicator. The main content area is titled 'Equipment Health View' and 'Equipment Health View'. A progress bar at the top of the form shows three steps: 1. Select Roles (current step), 2. Confirm, and 3. Done. There are two role selection options, each with a checkbox and a '(MARK required)' label. The first option is 'EHV Generic Access', with a description: 'Allows read only view of data in EHV. Access to EHMS, Early Warning, Umler and DDCT must be requested separately as noted in EHV User Guide.' The second option is 'EHV Road Admin', with a description: 'Company Administrator who will manage the assignment of EHV related roles for their company. This user will receive emails for requested permissions for their respective company and must grant permission as determined by their respective company.' Below the role options is a 'Comments...' field. At the bottom right, there are 'Return' and 'Next' buttons. A character count '0/255' is visible near the bottom right of the form.

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

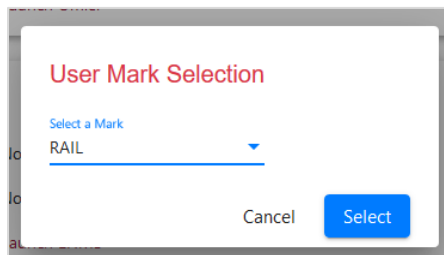
Logging In

To log into Equipment Health View:

1. Open the browser.
2. Open the Railinc portal at <http://www.railinc.com>.
3. Log into SSO. The Launch Pad is displayed (not shown).
4. 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**.

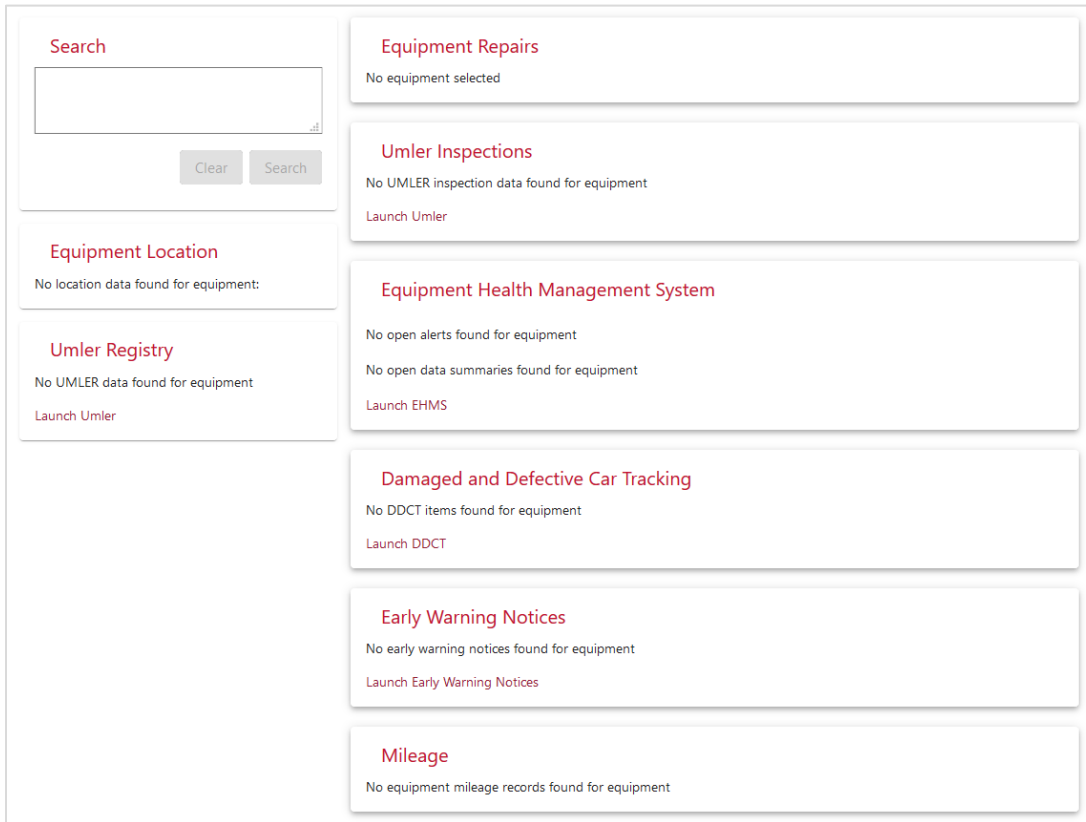
Exhibit 2. User Mark Selection



The 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



Logging Out

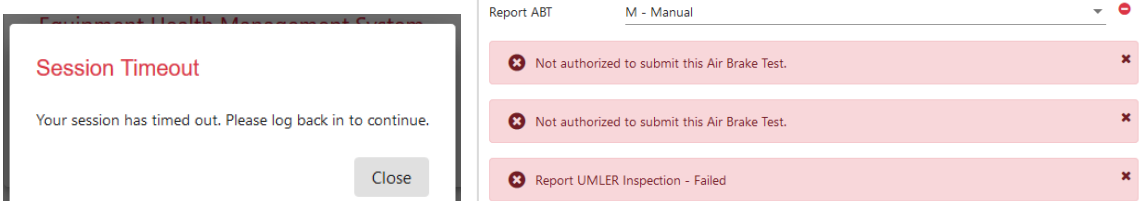
Select the **Sign Out** link to end an Equipment Health View (SSO) session. You are returned to the SSO Login Page.

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



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

Clear
Search

RAIL0000000346

Repair and Inspection Reporting - RAIL0000000346

Equipment ID *	Repair Date *		
RAIL0000000346	7/25/2019	x SPLC *	Q Performer *
			Reporter * RAIL

Select Action ▾
Clear
Submit

Equipment Location

No location data found for equipment RAIL0000000346

Umler Inspections

Air Brake Test

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

ReflectORIZATION Event

Inspection Date Done	01/01/2019	Inspection
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[Launch Umler](#)

Umler Registry

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

[Launch Umler](#)

Equipment Health Management System

No open alerts found for equipment RAIL0000000346

No open data summaries found for equipment RAIL0000000346

[Launch EHMS](#)

Damaged and Defective Car Tracking

No DDCT items found for equipment RAIL0000000346

[Launch DDCT](#)

Early Warning Notices

No early warning notices found for equipment RAIL0000000346

[Launch Early Warning Notices](#)

Mileage

Equipment Miles No Data From No Data To No Data

Component Miles

Component	Miles	Application Date	From Date	To Date
WHEELSET 4	No Data	09/09/2016	No Data	No Data


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.

The following applications are available to launch from EHV:

- Umler
- EHMS
- DDCT
- Early Warning

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 Early Warning 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

Search

Clear
Search

- RAIL0000000346
- RAIL0000000347
- RAIL0000000348
- RAIL0000000349
- RAIL0000000350
- RAIL0000000351
- RAIL0000000352
- RAIL0000000353
- RAIL0000000354
- RAIL0000000355

Repair and Inspection Reporting - RAIL0000000346

Equipment ID *	Repair Date *	SPLC *	Performer *	Reporter *
RAIL0000000346	7/25/2019		RAIL	RAIL

Select Action ▾
Clear
Submit

Equipment Location

No location data found for equipment RAIL0000000346

Umler Registry

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

[Launch Umler](#)

Umler Inspections

Air Brake Test

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

Reflectorization Event

Inspection Date Done	01/01/2019	Inspection
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[Launch Umler](#)

Equipment Health Management System

No open alerts found for equipment RAIL0000000346

No open data summaries found for equipment RAIL0000000346

[Launch EHMS](#)

Damaged and Defective Car Tracking

No DDCT items found for equipment RAIL0000000346

[Launch DDCT](#)

Early Warning Notices

No early warning notices found for equipment RAIL0000000346

[Launch Early Warning Notices](#)

Mileage

Equipment Miles No Data From No Data To No Data

Component Miles

Component	Miles	Application Date	From Date	To Date
WHEELSET 4	No Data	09/09/2016	No Data	No Data

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

Using the Search Portlet

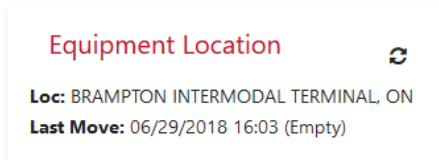
To change to a different ID in the list, scroll to and select another Equipment ID. The data is refreshed in the other portlets.

2. To execute a new search, overwrite the Search field and click 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 does not display any data.

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 in the top right corner. The portlet is organized 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, there 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

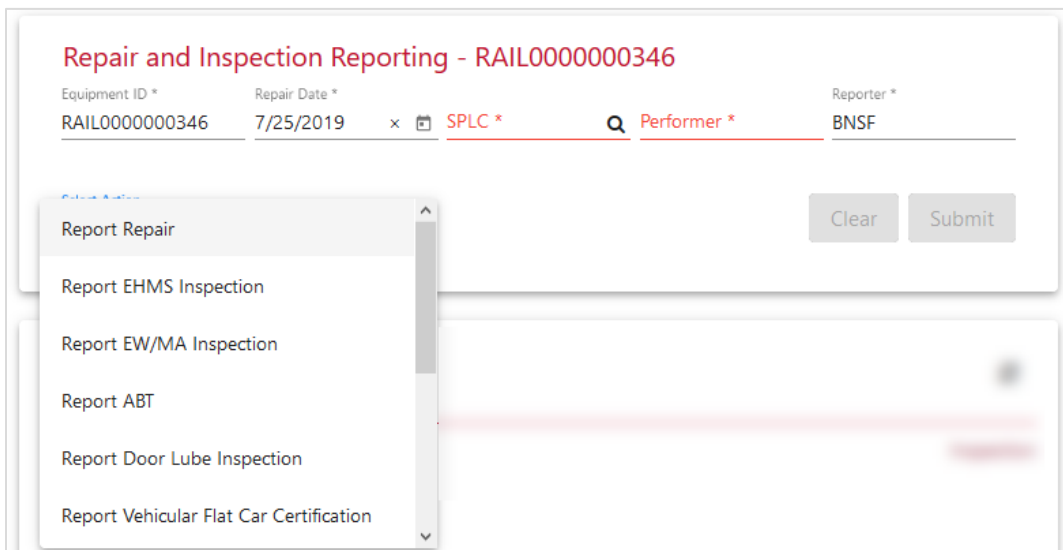
Equipment ID * Repair Date * SPLC * Performer * Reporter *

RAIL0000000346 7/25/2019 x Q 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 * SPLC * Performer * Reporter *

RAIL0000000346 7/25/2019 x Q BNSF

Select Action

- Report Repair
- Report EHMS Inspection
- Report EW/MA Inspection
- Report ABT
- Report Door Lube Inspection
- Report Vehicular Flat Car Certification

Clear Submit

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 - RAIL0000000346". The form contains several input fields and buttons. At the top, there are fields for "Equipment ID *" (RAIL0000000346), "Repair Date *" (7/30/2019), "SPLC *" (with a red "SPLC required" error message), "Performer *" (with a red "Performer required" error message), and "Reporter *" (RAIL). Below these are fields for "Report Repair", "Job Code *" (with a red "Job Code required" error message), "A. Qualifier", "Why Made", "CRB Location *" (with a red "CRB Location required" error message), and "Component ID" (with a red minus icon). At the bottom left is a "Select Action" dropdown menu, and at the bottom right are "Clear" and "Submit" buttons.

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 right.
- 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 EW/MA 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

Repair and Inspection Reporting - RAIL0000000346

Equipment ID * Repair Date * Reporter *

RAIL0000000346 7/30/2019 x SPLC * Q Performer * RAIL

SPLC required Performer required

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

Job Code required CRB Location required

Select Action Clear Submit

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 (Q) 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 success message in a green box: "Submitted closures Succeeded. 1 closures Submitted, 0 Failed Validation, 0 Had Errors." The form fields are: Equipment ID * (RAIL0000000346), Repair Date * (7/30/2019), SPLC * (404534000), Performer * (RAIL), Reporter * (RAIL), Job Code * (3334), A. Qualifier, Why Made, CRB Location * (1), and Component ID. There are "Clear" and "Submit" buttons at the bottom right.

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

EHMS Inspection

When you select **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 with a dropdown menu open for "EHMS Inspection". The dropdown options are: ABD, THD, TPDG, TPDL, WILD, and SALIENT_WHEEL_IMPACT. The form fields are: Equipment ID * (RAIL0000000346), Repair Date * (7/26/2019), SPLC * (with "SPLC required" error), Performer * (with "Performer required" error), Reporter * (RAIL), and CRB Location * (with "CRB Location required" error). There are "Clear" and "Submit" buttons at the bottom right.

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](#)).

EW/MA Inspection

When you select **EW/MA Inspection** from the drop-down, the EHMS Inspection fields are displayed.

Exhibit 15. Repair and Inspection Reporting EW/MA Inspection Form

Repair and Inspection Reporting - RAIL0000000346

Equipment ID * RAIL0000000346 Repair Date * 7/26/2019 x Reporter * RAIL

SPLC required Performer required

Report EW/MA Inspection Notice Type * MA

Notice Number required

Select Action

MH - CAR REPAIRED, RETURN TO SERVICE
MN - EQUIPMENT WAS INCORRECTLY A...
MR - CAR INSPECTED, RETURN CAR TO ...
MW - CAR MOVING ON AAR APPROVED...
MZ - CAR INSPECTED MOVING UNREPAI...

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 **Notice Type** (EW or MA).
6. Enter the **Notice Number**.
7. Select the **Inspection Code**. Refer to the [EW/MA Advisory Procedures Manual/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 - RAIL0000000346

Equipment ID * Repair Date * Reporter *

RAIL0000000346 7/26/2019 x SPLC * Q Performer * RAIL

SPLC required Performer required

Report ABT Device Type *
M - Manual

Select Action Clear Submit

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 (Q) 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

Repair and Inspection Reporting - RAIL0000000346

Equipment ID * RAIL0000000346 Repair Date * 7/26/2019 SPLC * Performer * Reporter * RAIL

SPLC required Performer required

Report Autorack Inspection

Inspector ID * Ext. Door * Ext. Roof Sheets * Ext. Shear Panel * Inspector ID required Ext. Door required Ext. Roof Sheets required Ext. Shear Panel required

Ext. Side Screens * Int. Door * Int. Shear Panel * Int. Side Posts * Ext. Side Screens required Int. Door required Int. Shear Panel required Int. Side Posts required

Top Deck Surface * Underside of Deck * Top Deck Surface required Underside of Deck required

Select Action Clear Submit

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 is a "Report Car Grade Inspection" section with "Hours *" and "Minutes *" fields, both with "Hours required" and "Minutes required" error messages. To the right of these fields are radio buttons for "AM" and "PM" with the text "Select One". Below the "Report Car Grade Inspection" section is a dropdown menu labeled "Select Action". A dropdown menu is open, showing a list of car grades: "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 - RAIL0000000109

Equipment ID *	Repair Date *	SPLC *	Performer *	Reporter *
RAIL0000000109	7/31/2019	404534000	RAIL	BNSF

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

Report ABT	Device Type *
	A - Automatic

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

Select Action ▼

Clear
Submit

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	7/31/2019	404534000	RAIL	BNSF

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

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

Report ABT	Device Type *
	A - Automatic

✔ ABT transaction is successful
✕

✔ Report UMLER Inspection - Successful
✕

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

✔ 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.

Equipment Health View User Guide

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Revised August 2019

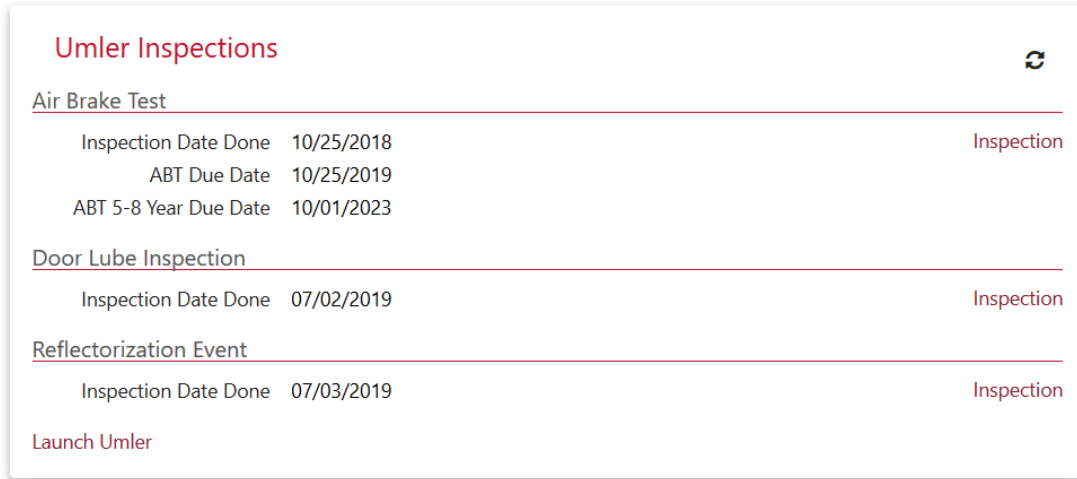
Using the Repair and Inspection Reporting Portlet

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



The screenshot shows a portlet titled "Umler Inspections" with a refresh icon in the top right corner. Below the title, there are three sections of inspection data, each separated by a horizontal line. The first section is "Air Brake Test" with three rows of data: "Inspection Date Done 10/25/2018", "ABT Due Date 10/25/2019", and "ABT 5-8 Year Due Date 10/01/2023". The second section is "Door Lube Inspection" with one row: "Inspection Date Done 07/02/2019". The third section is "Reflectorization Event" with one row: "Inspection Date Done 07/03/2019". At the bottom of the portlet is a link labeled "Launch Umler".

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	Action	Action
Truck Hunting	Truck A	AAR Condemnable	04/01/2019	Inspection	
ABD	Wheel Bearing 02R	AAR Condemnable	04/01/2019	Inspection	Repair
Data Summaries					
Data Summary	Location	Status	Maximum Readings		
LORF NCF Data Summary	Base	No alert	Score 0.0		
LORF AHS Data Summary	Base	No alert	Score		
BrakeHealth_CAR	Base	No alert	BHI 99		
WPD Data Summary	Wheel 04L	No alert			
WPD Data Summary	Wheel 04R	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 Early Warning Notices Portlet


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

Exhibit 23. Early Warning Sample

Early Warning Notices 					
Notice	Sev Cd	Esc Date	Eff Date	Title	Action
EW 5615	03	08/29/2019	05/31/2019	MA-0576 Elevated to EW-5615: RST - test notification service send of attachment	Inspection
EW 5428	01	04/19/2055	01/19/2018	RST Test Notification	Inspection
EW 5379	XX	06/21/2017	08/19/2016	Copy of prod EW5306-Tank Car Slack Adjuster Replacements	Inspection
EW 5378	XX	09/23/2016	06/25/2016	Copy of prod EW5305-MA-0158 Tank Car Slack Adjuster Replacements	Inspection

[Launch Early Warning Notices](#)

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

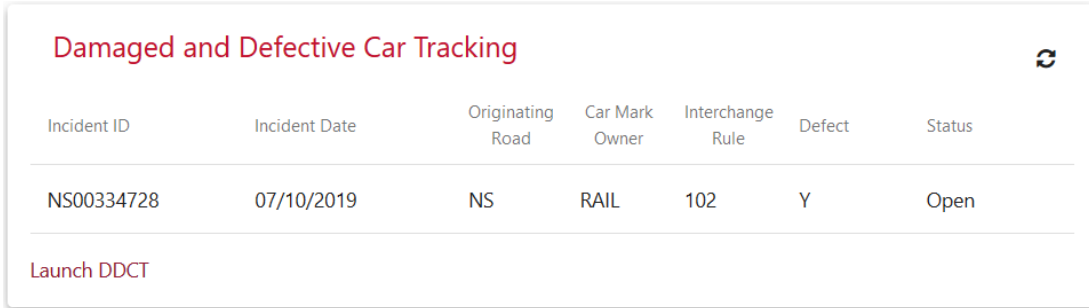
Select the refresh icon () to update the Early Warning Notices portlet after submitting inspections or repairs.

To view the complete Early Warning data for the selected Equipment ID, select the Launch Early Warning Notices link at the bottom of the portlet and query the Equipment ID. Refer to the [EW/MA Advisory Procedures Manual/User Guide](#) for information about performing an Equipment ID query in Early Warning.

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



The screenshot shows a portlet titled "Damaged and Defective Car Tracking" with a refresh icon in the top right corner. Below the title is a table with the following columns: Incident ID, Incident Date, Originating Road, Car Mark Owner, Interchange Rule, Defect, and Status. A single row of data is displayed. Below the table is a link labeled "Launch DDCT".

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.

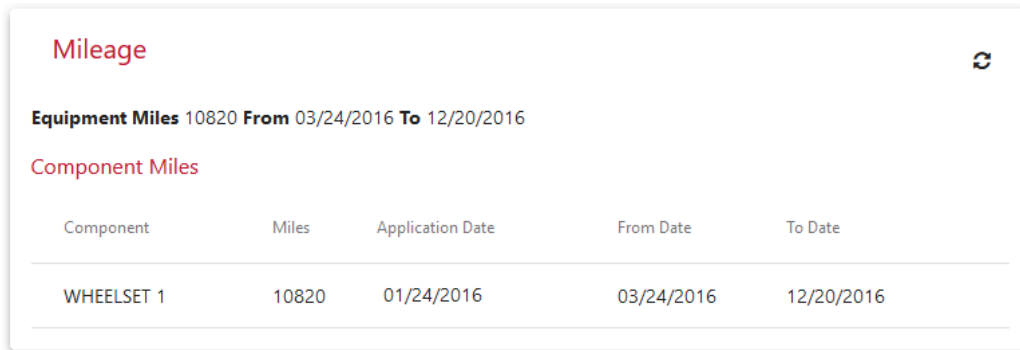
Using the Mileage Portlet

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://www.railinc.com/rportal/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.

Early Warning—System that handles AAR notices for Early Warnings and Maintenance Advisories against railroad equipment.

EHMS—Equipment Health Management System.

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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