Equipment Health View (EHV) Overview

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EHV Overview

- What is EHV?
- Who is EHV for?
- What applications interface with EHV?
- What are the different actions EHV can do?
- Questions

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What is EHV?

- Consolidates health-related information from:
  - Equipment Health Management System (EHMS)
  - Umler
  - Equipment Advisory (EA)
  - Damaged and Defective Car Tracking (DDCT)

- EHV was implemented in early 2012 with sponsorship from the Equipment Health Monitoring Committee (EHMC) and complies with AAR Interchange Rules.

- Users can access EHV through the EHMS Home page or Railinc's SSO Launch Pad page.

Who is EHV for?

- **Repair Shops**
  - Can view equipment status, report repairs and inspections.

- **Railroads**
  - Can view equipment status, report repairs and inspections, and review open alerts, data summaries, DDCT incidents and EA notices. Railroads acting as the handling carrier may also be able to review location data.

- **Equipment Owners**
  - Can review equipment location, Umler information, load status, mileage for cars and components like wheelsets, open DDCT incidents, and EA notices, and can report repairs or inspections.

What applications interface with EHV?

- Users must have generic EHV access and specific permissions for each application to view data in the relevant modules. EHV does not store original data but displays information from the following source applications:
  - **Umler**: Verifies equipment registration and captures stencil mark ownership; supports reporting for certain inspection rights and types.
  - **EHMS**: Provides alerts on equipment and offers high-level data summaries.
  - **Equipment Advisory**: Indicates if the equipment is under active, EI, IN, or SH notices; supports reporting for certain inspection rights and types.
  - **DDCT**: Shows if equipment is involved in an incident.
  - **Mileage**: Calculates mileage for equipment or components.
  - **Location**: Displays the last reported city and state/province location.

What can EHV do?

1 – The Search Window

- Search by a single equipment, a range of equipment, or a list of multiple equipment.

- Search is limited to 200 Equipment IDs.

- If searching with a range or list of equipment, EHV will parse the Equipment IDs into a numerically sorted list with the first car selected by default.

- When another Equipment ID in the list is selected, you can select the **View** button to refresh the page with the new car's data.

Search

RAIL 346-500

Clear   Search

Please click on the View button for car results

Equipment ID	
RAIL0000000346	View
RAIL0000000347	
RAIL0000000348	
RAIL0000000349	
RAIL0000000350	
RAIL0000000351	
RAIL0000000352	

2 – Equipment Location and Load Status

- Location data is only available to the car owner, parties to the waybill, and the handling carrier.

- If you have permissions and event data is found, the Event Repository is used to display the city, state, and last move date and time.

- The Load/Empty status is also shown.

3 – Umler Registry

- Umler permissions are granted by a company admin from your company.

- High-level Umler information may be displayed. This could include:
  - Stenciled Mark Owner
  - Status Code (Pre–Registered / Active / Inactive)
  - Built Date
  - Equipment Type Code
  - Weight Capacity in Imperial Units
  - Truck and Axle Counts
  - Outside Length in Imperial Units

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

4 – Repair and Inspection Reporting

- All reports are submitted with the user's company mark.
- Actions include:
  - Report Repair
  - Report EHMS Inspection
  - Report EA Inspection
  - Report ABT
  - Report Vehicular Flat Car Certification
  - Report Autorack Certification
  - Report Autorack Repair
  - Report Reflectorization Event
  - Report Autorack Inspection
  - Report Car Grade Inspection

4 – Reports Continued

Repair and Inspection Reporting- RAIL0000000349

- Multiple reports of repairs and/or inspections can be reported at once.

- Each reported repair or inspection will have its own messages for errors, warnings, and successes that are specific to each system impacted.

- Not all repairs go to a specific system and may only be stored.

- Selecting any buttons in action columns (repair or inspection buttons) in the following segments will add individual repair or inspection lines here to be completed. Any location or other information will be filled by default.

5 – Umler Inspections

This module displays reported inspections with inspection completion and due dates and details for the searched equipment record. This may include:

- AFMC Inspection
- Air Brake Test
- Autorack Certification, Inspection, or Repair
- Car Grade Inspection
- Locomotive Air Brake or Air Card Inspection
- Multiple types of Locomotive Inspections
- Reflectorization Event
- Service Brake Valve Inspection
- Vehicular Flat Car Certification

5 – Umler Inspections

Umler Inspections

Air Brake Test

Inspection Date Done	10/25/2018	Inspection
ABT Due Date	10/25/2019	
ABT 5-8 Year Due Date	10/01/2023	

Door Lube Inspection

Inspection Date Done	07/02/2019	Inspection

Reflectorization Event

Inspection Date Done	07/03/2019	Inspection

Launch Umler

6 – EHMS Alerts & Data Summaries

- Requires generic EHMS permissions.
- The Alerts section displays any open alerts if existing with information:
  - Alert Type such as WILD, ABD, or THD.
  - Location on the car such as Wheel 01L or Truck A.
  - Alert Level (Window Open, AAR A2, AAR A1, or Mandatory).
  - Opening Date of the alert.
  - Event Name provides details (e.g., Flange_Thickness).
  - Action columns provide buttons to report a repair inspection.
- The Data Summaries section displays any data summaries for the car:
  - Data Summary is the name and therefore type of data summary.
  - Location on the car.
  - Status describes if an alert was opened or not.
  - Maximum Readings is the highest reading ever for that car location and data summary type.

6 – EHMS Module View

Equipment Health Management System

Alerts

Alert Type	Location	Alert Level	At Level Since	Event Name	Action	Action
WILD ALERTS	Wheel 01R	ATSI Window Open	06/21/2019	SWMV_GtEq_65_Lt_80	Inspection	Repair
WILD ALERTS	Wheel 01L	ATSI Window Open	06/19/2019	SWMV_GtEq_65_Lt_80	Inspection	Repair

Data Summaries

Data Summary	Location	Status	Maximum Readings
SALIENT WHEEL IMPACT	Wheel 01R	Alert Open	Peak 65.5 Dyn 44.1 Ratio 3.8
WPD Data Summary	Wheel 01R	No alert	
WPD Data Summary	Wheel 01R	No alert	

7 – DDCT

- Requires specific DDCT SSO permissions such as Handling Carrier or Car Owner.

- If available, open DDCT incidents are displayed with information on:
  - Incident ID
  - Incident Date
  - Originating Road
  - Car Mark Owner
  - Interchange Rule (1, 95, 96, 102, 107, or 108)
  - Defect (single alpha character)
  - Status (Open/Closed)

7 – DDCT Module View

8 – EA Notices

If existing, open Equipment Advisories are displayed.

- Advisory (Category and Number)
  - Category can be Special Handling (SH), Equipment Instructions (EI), Informational Notice (IN)
- Severity (XX, A1, A2, A3, A9)
- Effective Date
- Escalation Date - Escalation caused by Duration, Interval, or Replenish
- Title of notice - An 80-character description of the notice.
- Location (on the car)
- Action column so you can report an inspection

8 – EA Module View

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

9 – Mileage

- Mileage details are only available to the equipment owner.
- **From Date** is the first move date and **To Date** is the most recent move date.
- Mileage shows equipment mileage based on movement events.
- Component Miles includes the wheelset **Application Date** (Repair Date).

Mileage

Equipment Miles 10820 **From** 03/24/2016 **To** 12/20/2016

Component Miles

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

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