

Introduction to Umler[®]: The Basics

Presenter: Terry Caulfield

General Announcements



- Webinar Reminders
 - Attendees will be muted to reduce background noise.
 - Submit any questions you have via the Q&A box.
 - The presentation is expected to last 45 minutes.

- Please complete the short survey at the end of presentation.

Webinar Objectives



After this webinar, attendees will be able to:

- Access Umler
 - Grant Umler Equipment & Inspection rights
 - Add/Modify/Delete equipment
 - Umler Query options
 - View Notice Management to resolve errors
- Transfer equipment/perform re-stencils
- Identify and resolve common equipment conflicts
- Understand Umler billing
 - Railinc vs. AAR fees

The Benefits of Umler



- The Umler equipment registry contains the physical characteristics, inspection history, transportation management and pool assignments of nearly two million pieces of rail equipment in North America. This registry is the base file for other industry reference files and industry equipment accounting files.
- The Umler system gives equipment owners four major benefits:
 - **Access:** The Umler system provides real-time updates via the web or enhanced "Train II" computer-to-computer electronic messaging.
 - **Security:** Equipment-level security gives users greater control over access to equipment and the display of confidential information.
 - **Data Quality:** High data standards are built into the system through extensive, interactive data validation and proactive conflict resolution.
 - **Real-Time Updating:** All transactions are processed immediately upon request. Changes made in the Umler system are communicated instantly to the industry, reducing delays and related costs.

Signing On to Umler – Launch Pad



- Log into your account and Umler will be listed under ‘My Applications’ on the Launch Pad.

The screenshot displays the RAILINC Launch Pad interface. At the top, the RAILINC logo and 'Launch Pad' are on the left, and 'RAILINC CORPORATION | Sign Out' is on the right. Below the header, the page is divided into three main sections:

- My Applications:** A box containing a single entry for 'Umler'.
- Railinc Notifications:** A list of notifications with dates and dropdown arrows:

| | | |
|--|--------------|---|
| Introduction to Umler ® Webinar - Reminder | May 7, 2020 | ▼ |
| Introduction to Umler ® Webinar | Apr 28, 2020 | ▼ |
| Umler® Release Notification | Apr 21, 2020 | ▼ |
| RCH Web Release | Apr 9, 2020 | ▼ |
| New Support Portal on Launch Pad | Mar 24, 2020 | ▼ |
| Update on Railinc COVID-19 Actions | Mar 18, 2020 | ▼ |
| Umler Release Notification | Mar 18, 2020 | ▼ |
| Embargo Release | Feb 25, 2020 | ▼ |
| Umler® Release Notification | Feb 11, 2020 | ▼ |

If you do not see the notification you require, please contact the Railinc Customer Success Center by email csc@railinc.com or by phone at 877-724-5462.
- My Profile:** A list of profile management options:
 - Edit My Profile
 - Change Password
 - View/Request Permissions
 - Check Status of Permission Requests
 - Support Cases
 - User Guide

Umler Homepage



Welcome to the Umler® System

The Railinc **Umler®** system is the mission-critical source for reliable rail equipment data. The Umler equipment registry contains the physical characteristics, inspection history, transportation management and pool assignments of nearly two million pieces of rail equipment in North America. This registry is the base file for other industry reference files and industry equipment accounting files.

The Umler system provides rail carriers, equipment owners and shippers with real-time access to detailed equipment data, providing for the safe movement of traffic and smooth interchange of shipments between carriers. Umler allows the rail industry to provide customers with the right pieces of equipment for their shipment.

The Umler system enables better communication and collaboration among rail partners for enhanced asset management and improved rail safety.

- [Umler User Guide](#)
- [Umler Data Specification Manual](#)
- [Umler Change Request Form](#)
- [Component Registry User Guide](#)
- [Component Registry Data Specification Manual](#)

Single Equipment Lookup:

- [Equipment units in conflict](#) : 69
- [Download Equipment in Conflict](#)
- [Equipment with component ID conflicts](#) : 3
- [Equipment Validation Requests](#)

Umler Contacts for RAIL :

External users are provided the following contacts when searching for RAIL Umler File Maintainers in Findus.Rail:
csc@railinc.com

Company Administrators - Granting Access Rights

- Log into Umler to grant Equipment Rights and/or Inspection Rights based on approving the Umler access for maintenance role.
 - Go to the 'Account Administration' tab on the main menu and select 'Security Management'
- Note the different options for granting access rights:
 - Administer Access Rights Internal to My Company
 - Administer Access Rights Involving Other Companies

The screenshot shows the EMIS Security Management Module interface. At the top, there is a navigation menu with tabs: Home, Query, Maintenance, Upload / Download, Account Administration, Contact List, and Component R. The 'Account Administration' tab is selected, and a sub-menu is open showing 'Security Management', 'Configure Ticklers', and 'Usage Statistics'. The 'Security Management' sub-menu item is highlighted with a red box and a question mark icon. Below the navigation, a welcome message reads: 'Welcome to the EMIS Security Management Module. What would you like to do?'. There are two main sections: 'Administer Access Rights Internal to My Company' and 'Administer Access Rights Involving Other Companies'. The first section contains four links: 'View My Access Rights', 'Manage Intra-Company User Access Rights', 'Manage Security Profiles', and 'Add/Remove User to/from Security Profiles'. The second section contains three links: 'Manage Inter-Company Access Rights / Profiles Granted by My Company', 'Manage Inter-Company Access Rights Granted to My Company', and 'Manage Inter-Company Profiles Granted to My Company'.

Granting Equipment Rights

- To 'Administer Rights Internal to My Company,' click 'Manage Intra-Company User Access Rights.'
- Next, select the User ID you wish to grant Equipment Rights and click 'Select.'

Administer Access Rights Internal to My Company

[View My Access Rights](#)

[Manage Intra-Company User Access Rights](#)

[Manage Security Profiles](#)

[Add/Remove User to/from Security Profiles](#)

Update A User's Access Rights

Select the user to update.

| Select | User ID | Name |
|-----------------------|--------------------------|--------------|
| <input type="radio"/> | | |
| <input type="radio"/> | | |
| <input type="radio"/> | | |
| <input type="radio"/> | | |
| <input type="radio"/> | TRAINUS1 | Brewer Tracy |
| <input type="radio"/> | | |
| <input type="radio"/> | | |
| <input type="radio"/> | | |
| <input type="radio"/> | | |
| <input type="radio"/> | | |
| <input type="radio"/> | | |

Granting Equipment Rights

- Next, click 'Add Equipment Right.'

Update A User's Access Rights

Currently editing access rights for security profile : [TRAINUS1](#)

| Select | Company | Effective Date | Expiration Date | Type |
|--|---------|----------------|-----------------|------|
| No access right(s) available for this company. | | | | |

[Add Pool Right](#) [Add Equipment Right](#) [Add Inspection Right](#)
[Clone Rights from another User](#) [Done](#)

Granting Equipment Rights

- Enter the required fields:
 - Step 1 – Add ‘Description.’ (i.e. John’s Rights)
 - Step 2 - Select ‘Effective Date’ as current date.
 - Step 3 – Set ‘Expiration Date’ or leave default as 12/31/9999.
 - Step 4 – ‘Range of Equipment’ is defaulted to ‘All Equipment’ under the listed SCAC(s).
 - Step 5 - Select the ‘Type of Access’ the user needs.
 - Click ‘Save’

RAILINC | Umler

Home | Query | Maintenance | Upload / Download | Account Administration | Contact List | Component Registry | Help | References

Equipment Access Right

Currently editing access rights for: [TRAINUS1](#)
Edit the details of the access right.

Description of Access Right

* Description:

Timeframe of Authority

* Effective Date: * Expiration Date:

Range of Equipment

All Equipment: SCAC(s): Initial(s): Equipment Group(s): Equipment:

Type of Access

Non-Owner Self-as-Lessee Removal
Equipment - "Add to Pool"
Equipment - "Remove from Pool"
Add Equipment
Modify Equipment
Delete Equipment

Confirmed - Equipment Rights Granted

- Confirmation Equipment Rights have been granted
- Click 'Done' to exit

Update A User's Access Rights

Currently editing access rights for security profile : [TRAINUS1](#)

| Select | Company | Effective Date | Expiration Date | Type | Description |
|----------------------------------|----------------------|----------------|-----------------|-----------|------------------|
| <input checked="" type="radio"/> | RAIL | | 12/31/9999 | Equipment | Equipment Rights |

[Add Pool Right](#) [Add Equipment Right](#) [Add Inspection Right](#) [Edit](#) [Delete](#)

[Clone Rights from another User](#) [Done](#)

Granting Inspection Rights

- Click 'Add Inspection Right' if the user will be performing inspections.

Update A User's Access Rights

Currently editing access rights for security profile : [TRAINUS1](#)

| Select | Company | Effective Date | Expiration Date | Type | Description |
|----------------------------------|----------------------|----------------|-----------------|-----------|------------------|
| <input checked="" type="radio"/> | RAIL | | 12/31/9999 | Equipment | Equipment Rights |

[Add Pool Right](#) [Add Equipment Right](#) [Add Inspection Right](#) [Edit](#) [Delete](#)
[Clone Rights from another User](#) [Done](#)

Granting Inspection Rights

- Enter the required fields:
 - Step 1- Type a brief description or reason for access (*i.e. Inspection Rights*).
 - Step 2 - Select 'Effective Date' as the current date.
 - Step 3 - Specify the 'Expiration Date' or leave default as 12/31/9999.
 - Step 4 – Specify which inspections and marks the user needs.
 - Step 5 – Specify which equipment the user should have access to.
- Click 'Save.'

Inspection Access Right

Currently editing access rights for: [TRAINUS1](#)

Edit the details of the access right.

[Save](#) [Count Equipment](#) [Cancel](#)

Description of Access Right

1 **Description:**

Timeframe of Authority

2 *** Effective Date:**

3 **Expiration Date:**

Authorize reporting as the following marks / Authorize reporting for the following inspections

4 **All Marks :** **Mark(s):** **All Inspections :** **Inspections Types(s):**

Range of Equipment

5 **All Equipment :** **SCAC(s):** **Initial(s):** **Equipment Group(s):**

[Save](#) [Count Equipment](#) [Cancel](#)

Confirmed – Inspection Rights Granted

- User can now perform Umler maintenance and report inspections based on having Equipment & Inspection Rights granted.
- Click 'Done' to exit.

Update A User's Access Rights

Currently editing access rights for security profile : [TRAINUS1](#)

| Select | Company | Effective Date | Expiration Date | Type | Description |
|----------------------------------|----------------------|----------------|-----------------|------------|-------------------|
| <input checked="" type="radio"/> | RAIL | | 12/31/9999 | Equipment | Equipment Rights |
| <input type="radio"/> | RAIL | | 12/31/9999 | Inspection | Inspection Rights |

[Add Pool Right](#)

[Add Equipment Right](#)

[Add Inspection Right](#)

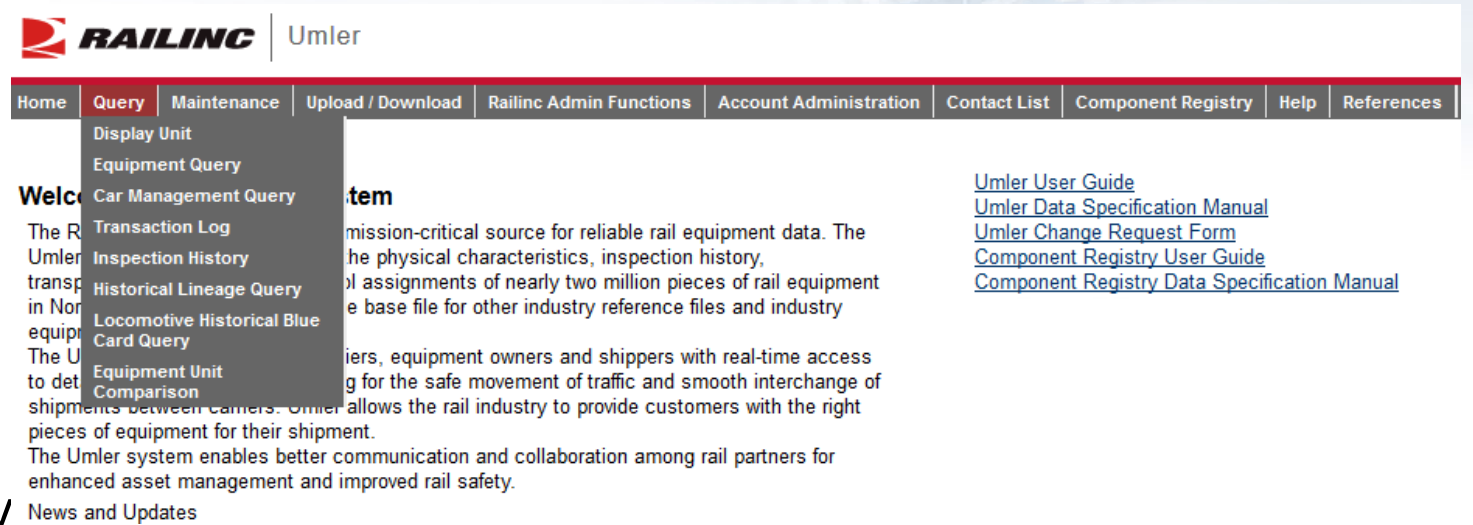
[Edit](#)

[Delete](#)

[Clone Rights from another User](#) [Done](#)

Umler Query Options

- Query Tasks:
 - Display Unit
 - Equipment Query
 - Transaction Log
 - Historical Lineage Query



The screenshot shows the RAILINC Umler website. At the top left is the RAILINC logo. To its right is the text 'Umler'. Below this is a horizontal navigation bar with the following items: Home, Query, Maintenance, Upload / Download, Railinc Admin Functions, Account Administration, Contact List, Component Registry, Help, and References. The 'Query' item is highlighted, and a dropdown menu is open below it, listing the following options: Display Unit, Equipment Query, Car Management Query, Transaction Log, Inspection History, Historical Lineage Query, Locomotive Historical Blue Card Query, Equipment Unit Comparison, and News and Updates. To the right of the dropdown menu, there is a 'Welcome' section with a heading 'Umler System' and several paragraphs of text describing the system's capabilities. To the right of the 'Welcome' section, there are four hyperlinks: 'Umler User Guide', 'Umler Data Specification Manual', 'Umler Change Request Form', 'Component Registry User Guide', and 'Component Registry Data Specification Manual'.

Display Unit

- A single railcar is entered to return the full Umler record.
 - Equipment initials may be entered in upper and lower cases.
 - It may include leading zeros and spaces.
 - For example:
 - RAIL 8000
 - rail0000008000

RAILINC | Umler

Home | Query | Maintenance | Upload / Download | Railinc Admin Functions | Account Administration | Contact List | Component Registry | Help | References

Display Unit

* Equipment ID:

Display Unit

Lookup | Lookup Result

Equipment ID: RAIL0000008000 Equipment Group: BOXC Stenciled Mark Owner: RAIL

Show database values: Flat View: [Equip PDF](#) [Equipment Health View](#)

[General](#) [Weight](#) [Dimension](#) [Door](#) [Specification](#) [Feature](#) [Cost](#) [Car Management](#) [Train Service](#) [Truck Components](#) [Draft System Components](#) [Unit Segment Components](#) [Brake System Components](#) [Miscellaneous](#) [Inspection](#) [Default Presentation Group](#)

| Element Name | ID | Flag | Value | Conflict |
|---------------------------|----------------------|------|------------------------------------|----------|
| Status Code | USCD | ● | A - ACTIVE | |
| Mechanical Designation | UMMD | ● ▲ | RB - Box-Refrigerator (Bunkerless) | |
| Equipment Type Code | UMET | | R300 | |
| Maint of Way Service Type | B403 | | | |
| Built Date | BLDT | ● 📅 | 01/01/1969 | |
| Rebuilt / ILS Date | RBDT | | | |
| Owner | UMOW | ● | RAIL | |
| Lessee | LESE | | | |
| Maintenance Party | MNPT | | RAIL | |
| Mark Owner Category | B201 | | V | |
| Prior Equipment ID | PRID | | | |
| Last Update Date | B122 | | 05/05/2020 | |
| Equipment Add Date | B082 | | 12/08/2016 | |
| Status Change Reason | USCR | | O - Status Changed Manually | |
| Status Change Date | USCT | | 01/03/2020 | |

Equipment Query

- Used for searching multiple pieces of equipment
- Multiple search criteria available
- Enter cars in the 'Equipment ID' field
- Choose any additional criteria
- Click 'Search'

Equipment Query

Basic **Search** Count Reset Save Clear

Basic Customize Query Output Saved Queries

Enter one or more fields to search equipment information.

Note: There is no charge for viewing query results. There is a small per record charge for downloading to a CSV.

Query Results are limited to 50 attributes per equipment record. If you require more attributes or have more complex data requirements, please email csc@railinc.com with the details of your request and Railinc can assist you with your data needs.

Results will include equipment matching ALL of the following criteria.

Equipment IDs: Rail1
rail30
RAIL100
rail999
RAIL5000

Equipment Groups: box
Gondola
Hopper
Tank

Mechanical Designations:

EINs:

Equipment Initials:

Pool IDs:

Equipment Type Codes:
 Query by complete codes.
 Query by partial codes.

* Include equipment restricted in interchange: Yes

Company-Specific Equipment Groups:

Umler Owner:

Equipment Query Results

Search Criteria Search Results

Select one or more equipment IDs, and an action, for pool management/equipment management. You may also click an equipment ID to display it.
3 matches found. 3 available for display. 3 matches displayed on this page.

| Select All / Unselect All | Equipment Id | Pool Number | Equipment Group | Equipment Type Code | Mechanical Designation | Stenciled Mark | Owner | Leasee |
|---------------------------|---------------------------|-------------|-----------------|---------------------|------------------------|----------------|-------|--------|
| <input type="checkbox"/> | RAIL_1 | 0000000 | LOCO | D620 | D | RAIL | | |
| <input type="checkbox"/> | RAIL_30 | 0000000 | LOCO | D127 | D | RAIL | | |
| <input type="checkbox"/> | RAIL_5000 | 0000000 | BOXC | R300 | RB | RAIL | | |

Equipment Query

Search Count Reset Save Clear

Basic Customize Query Output Saved Queries

Enter one or more fields to search equipment information.
Note: There is no charge for viewing query results. There is a small per record charge for downloading to a CSV.
Query Results are limited to 50 attributes per equipment record. If you require more attributes or have more complex data requirements, please email csd@railinc.com with the details of your request and Railinc can assist you with your data needs.

Results will include equipment matching ALL of the following criteria.

| | | | |
|--------------------------|--|---|--|
| Equipment IDs: | <input type="text"/> | Pool IDs: | <input type="text"/> |
| Equipment Groups: | <input type="text" value="Bow"/> <input type="text" value="Gophers"/> <input type="text" value="Hopper"/> <input type="text" value="Tank"/> | Equipment Type Codes: <input checked="" type="radio"/> Query by complete codes. <input type="radio"/> Query by partial codes. | <input type="text"/> |
| Mechanical Designations: | <input type="text"/> | <input checked="" type="checkbox"/> Include equipment restricted in interchange: | <input type="text" value="yes"/> |
| EINs: | <input type="text"/> | Company-Specific Equipment Groups: | <input type="text"/> |
| Equipment initials: | <input type="text" value="RAIL"/> | Umler Owner: | <input type="text"/> |
| Umler Company: | <input type="text"/> | Lessee: | <input type="text"/> |
| Stenciled Mark Owner: | <input type="text"/> | Equipment Status: | <input checked="" type="radio"/> Status <input checked="" type="checkbox"/> Active <input type="checkbox"/> Inactive <input type="checkbox"/> Pre-registered <input type="radio"/> No Status |

Confidential Element Search
NOTE: Choosing to query by confidential element will limit results only to equipment the user has confidential rights for.

| Element Name : | Qualifier : | Compare To Another Element : | Element Values : |
|----------------------|----------------------|------------------------------|----------------------|
| <input type="text"/> | <input type="text"/> | <input type="checkbox"/> | <input type="text"/> |
| <input type="text"/> | <input type="text"/> | <input type="checkbox"/> | <input type="text"/> |
| <input type="text"/> | <input type="text"/> | <input type="checkbox"/> | <input type="text"/> |

| Element Name : | Qualifier : | Compare To Another Element : | Element Values : |
|----------------------|----------------------|------------------------------|----------------------|
| <input type="text"/> | <input type="text"/> | <input type="checkbox"/> | <input type="text"/> |
| <input type="text"/> | <input type="text"/> | <input type="checkbox"/> | <input type="text"/> |
| <input type="text"/> | <input type="text"/> | <input type="checkbox"/> | <input type="text"/> |

In what format would you like your results?
 Output to (CSV is a chargeable function) Browser Maximum Number of Results (Browser Output Only):

Search Count Reset Save Clear

Equipment Query – Output to Browser

Equipment Query Results

Search Criteria Search Results

Select one or more equipment IDs, and an action, for pool management/equipment management. You may also click an equipment ID to display it.
66 matches found. 66 available for display. 66 matches displayed on this page.

| Select All /Unselect All <input type="checkbox"/> | Equipment Id | Pool Number | Equipment Group | Equipment Type Code | Mechanical Designation | Stenciled Mark Owner | Lessee |
|---|---------------------------|-------------|-----------------|---------------------|------------------------|----------------------|--------|
| <input type="checkbox"/> | RAIL 13 | 0000000 | BOXC | R400 | RB | RAIL | |
| <input type="checkbox"/> | RAIL 36 | 0000000 | BOXC | R370 | RPL | RAIL | |
| <input type="checkbox"/> | RAIL 55 | 0000000 | BOXC | R300 | RB | RAIL | |
| <input type="checkbox"/> | RAIL 58 | 0000000 | BOXC | R300 | RB | RAIL | |
| <input type="checkbox"/> | RAIL 59 | 0000000 | BOXC | R400 | RB | RAIL | |
| <input type="checkbox"/> | RAIL 303 | 0000000 | BOXC | A332 | XL | RAIL | |
| <input type="checkbox"/> | RAIL 666 | 0000000 | BOXC | R400 | RB | RAIL | |
| <input type="checkbox"/> | RAIL 886 | 0000000 | BOXC | R400 | RB | RAIL | |
| <input type="checkbox"/> | RAIL 900 | 0000000 | BOXC | R400 | RB | RAIL | |
| <input type="checkbox"/> | RAIL 901 | 0000000 | BOXC | R300 | RB | RAIL | |
| <input type="checkbox"/> | RAIL 902 | 0000000 | BOXC | A402 | XP | RAIL | |
| <input type="checkbox"/> | RAIL 1250 | 0000000 | BOXC | R300 | RB | RAIL | |
| <input type="checkbox"/> | RAIL 1558 | 0000000 | BOXC | R300 | RB | RAIL | |
| <input type="checkbox"/> | RAIL 1700 | 0000000 | BOXC | R300 | RB | RAIL | |
| <input type="checkbox"/> | RAIL 1886 | 0000000 | BOXC | R400 | RB | RAIL | |
| <input type="checkbox"/> | RAIL 1900 | 0000000 | BOXC | R300 | RB | RAIL | |
| <input type="checkbox"/> | RAIL 2120 | 0000000 | BOXC | R300 | RB | RAIL | AARE |
| <input type="checkbox"/> | RAIL 2229 | 0000000 | BOXC | R300 | RB | RAIL | |
| <input type="checkbox"/> | RAIL 2666 | 0000000 | BOXC | R400 | RB | RAIL | |
| <input type="checkbox"/> | RAIL 4666 | 0000000 | BOXC | R400 | RB | RAIL | |
| <input type="checkbox"/> | RAIL 4999 | 0000000 | BOXC | R300 | RB | RAIL | |
| <input type="checkbox"/> | RAIL 6312 | 0000000 | BOXC | R300 | RB | RAIL | |
| <input type="checkbox"/> | RAIL 8000 | 0000000 | BOXC | R300 | RB | RAIL | |
| <input type="checkbox"/> | RAIL 8002 | 0000000 | BOXC | R300 | RB | RAIL | |

Equipment Query – Output to CSV

- Enter the cars in the 'Equipment ID' field and choose criteria in the 'Basic' tab.
- Choose the 'Output to .csv' option and then 'Search.'
- Click 'Estimate Query Cost.'
- If the cost is acceptable, Click 'Search,' then 'Continue.'

Notification of Chargeable Action

Please select an option below

Selecting CSV will download all data to your computer. This will be a billable function. If you select Continue, your company will be charged for this transaction at the rate of \$0.06 per row downloaded. If you do not wish to continue, please select Cancel now.

By downloading this data, you agree to [Railinc's Terms of Service](#) which limits data use and restricts distribution without prior Railinc agreement.

Equipment Query Search Count Save Clear

Estimated Cost: \$ 3.96 To continue with the download please click Search and Continue. If any input criteria has been altered you may request another estimate.

| | A | B | C | D | E | F | G |
|----|----------------|-------------|-----------------|---------------------|------------------------|----------------|--------------|
| | Equipment Id | Pool Number | Equipment Group | Equipment Type Code | Mechanical Designation | Stenciled Mark | Owner Lessee |
| 1 | RAIL0000000013 | 0 | BOXC | R400 | RB | RAIL | |
| 2 | RAIL0000000036 | 0 | BOXC | R370 | RPL | RAIL | |
| 3 | RAIL0000000055 | 0 | BOXC | R300 | RB | RAIL | |
| 4 | RAIL0000000058 | 0 | BOXC | R300 | RB | RAIL | |
| 5 | RAIL0000000059 | 0 | BOXC | R400 | RB | RAIL | |
| 6 | RAIL0000000303 | 0 | BOXC | A332 | XL | RAIL | |
| 7 | RAIL0000000666 | 0 | BOXC | R400 | RB | RAIL | |
| 8 | RAIL0000000886 | 0 | BOXC | R400 | RB | RAIL | |
| 9 | RAIL0000000900 | 0 | BOXC | R400 | RB | RAIL | |
| 10 | RAIL0000000901 | 0 | BOXC | R300 | RB | RAIL | |
| 11 | RAIL0000000902 | 0 | BOXC | A402 | XP | RAIL | |
| 12 | RAIL0000001250 | 0 | BOXC | R300 | RB | RAIL | |
| 13 | RAIL0000001558 | 0 | BOXC | R300 | RB | RAIL | |
| 14 | RAIL0000001700 | 0 | BOXC | R300 | RB | RAIL | |
| 15 | RAIL0000001886 | 0 | BOXC | R400 | RB | RAIL | |
| 16 | RAIL0000001900 | 0 | BOXC | R300 | RB | RAIL | |
| 17 | RAIL0000002120 | 0 | BOXC | R300 | RB | RAIL | AARE |
| 18 | RAIL0000002229 | 0 | BOXC | R300 | RB | RAIL | |
| 19 | RAIL0000002666 | 0 | BOXC | R400 | RB | RAIL | |
| 20 | | | | | | | |

In what format would you like your results?

*Output to (CSV is a chargeable function):

Equipment Query – Customized Query Output to Browser

- Enter all basic criteria first.
 - Choose output option
 - Browser or .csv
- Click ‘Customize Query Output’ tab.
- Add and remove attributes by choosing from the ‘Available Attributes’ list.
 - 50-attribute limit
- Click ‘Search’ to run query.

The screenshot shows the 'Equipment Query' page in the 'Basic' tab. The 'Equipment IDs' field contains 'RAIL100-RAIL500'. The 'Equipment Groups' dropdown is set to 'Tank'. The 'Pool IDs' field is empty. The 'Equipment Type Codes' section has 'Query by complete codes' selected. Buttons for 'Search', 'Count', 'Save', and 'Clear' are visible at the top right.

The screenshot shows the 'Equipment Query' page in the 'Customize Query Output' tab. The 'Basic' tab is circled in red. The 'Available Attributes' list is circled in red and includes 'A&B Amount', 'A&B Date Done', 'A&B Pos/Neg Ind', 'A&B Type', 'ABT 5-8 Year Due Date', 'ABT L2 Periodic Interval', 'ABT L3 Periodic Interval', 'AEI High Temperature Tag', 'AFMC Due Date', 'AFMC Inspection-Inspection Certified by', 'AFMC Inspection-Inspection Conducted by', and 'AFMC Inspection-Inspection Date Done'. The 'Selected Attributes' list includes 'Equipment Id', 'Pool Number', 'Equipment Group', 'Equipment Type Code', 'Mechanical Designation', 'Stenciled Mark Owner', 'Lessee', 'Owner', 'Maintenance Party', and 'ABT Due Date'. There are three 'Sort By' dropdown menus and three radio button groups for 'ASC' and 'DESC' sorting. Buttons for 'Search', 'Count', 'Save', and 'Clear' are visible at the top right and bottom right.

Equipment Query – Customized Query Output to Browser

- Output to Browser option
- All selected attributes are displayed
- Click ‘Search Criteria’ tab to return to the ‘Basic’ tab

Equipment Query Results

Search Criteria Search Results

Select one or more equipment IDs, and an action, for pool management/equipment management. You may also click an equipment ID to display it.
58 matches found. 58 available for display. 58 matches displayed on this page.

| | | | | | | | AFMC Inspection | | | |
|---|--------------------------|-------------|-----------------|---------------------|------------------------|----------------------|-----------------|-------|-------------------|--------------|
| Select All /Unselect All <input type="checkbox"/> | Equipment Id | Pool Number | Equipment Group | Equipment Type Code | Mechanical Designation | Stenciled Mark Owner | Lessee | Owner | Maintenance Party | ABT Due Date |
| <input type="checkbox"/> | RAIL 107 | 0000000 | LOCO | D116 | D | RAIL | | RAIL | RAIL | |
| <input type="checkbox"/> | RAIL 112 | 0000000 | LOCO | D620 | D | RAIL | AAR | RAIL | RAIL | |
| <input type="checkbox"/> | RAIL 303 | 0000000 | BOXC | A332 | XL | RAIL | | RAIL | RAIL | 09/18/2019 |
| <input type="checkbox"/> | RAIL 367 | 0000000 | FLAT | M340 | MWVF | RAIL | | RAIL | RAIL | 10/11/2019 |
| <input type="checkbox"/> | RAIL 500 | 0000000 | LOCO | D112 | D | RAIL | | RAIL | TILX | |
| <input type="checkbox"/> | RAIL 641 | 0000000 | FLAT | M340 | MWVF | RAIL | | RAIL | RAIL | 10/11/2019 |
| <input type="checkbox"/> | RAIL 666 | 0000000 | BOXC | R400 | RB | RAIL | | RAIL | RAIL | 06/20/2020 |
| <input type="checkbox"/> | RAIL 743 | 0000000 | GOND | M300 | MWGN | RAIL | | RAIL | RAIL | 09/20/2019 |
| <input type="checkbox"/> | RAIL 873 | 0000000 | HOPP | K384 | HMA | RAIL | AARE | RAIL | RAIL | 08/27/2016 |
| <input type="checkbox"/> | RAIL 886 | 0000000 | BOXC | R400 | RB | RAIL | | RAIL | RAIL | 06/20/2019 |

Equipment Query – Saved Queries

- Saved Queries
 - Enter all search criteria in 'Basic' tab.
 - Click 'Save' to name the query.
 - Enter a 'Query Name' and 'Query Description.'
 - Click 'Save' again.

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Home | Query | Maintenance | Upload / Download | Account Administration | Contact List | Component Registry | Help | References

TRAINUS1 : RAIL - RAILINC CORPORATION | Launch Pad | Contact Us | Sign Out

Equipment Query

Basic | Customize Query Output | **Saved Queries**

Search | Count | Reset | **Save** | Clear

Enter one or more fields to search equipment information.

Note: There is no charge for viewing query results. There is a small per record charge for downloading to a CSV.
Query Results are limited to 50 attributes per equipment record. If you require more attributes or have more complex data requirements, please email csc@railinc.com with the details of your request and Railinc can assist you with your data needs.

Results will include equipment matching ALL of the following criteria.

| | | | |
|--------------------------|---|--|--|
| Equipment IDs: | <input type="text"/> | Pool IDs: | <input type="text"/> |
| Equipment Groups: | <input type="text" value="Box"/> Gondola Hopper Tank | Equipment Type Codes: | <input type="text"/> |
| Mechanical Designations: | <input type="text"/> | <input checked="" type="radio"/> Query by complete codes. <input type="radio"/> Query by partial codes. | <input type="text"/> |
| EINS: | <input type="text"/> | * Include equipment restricted in interchange: | <input type="text" value="Yes"/> |
| Equipment Initials: | <input type="text" value="RAIL"/> | Company-Specific Equipment Groups: | <input type="text"/> |
| Umler Company: | <input type="text"/> | Umler Owner: | <input type="text"/> |
| Stenciled Mark Owner: | <input type="text"/> | Lessee: | <input type="text"/> |
| | | Equipment Status: | <input checked="" type="radio"/> Status <input checked="" type="checkbox"/> Active <input type="checkbox"/> Inactive <input type="checkbox"/> Pre-registered <input type="radio"/> No Status |

RAILINC | Umler

Home | Query | Maintenance | Upload / Download | Account Administration | Contact List | Component Registry | Help | References

Save Query Attributes

*** Query Name :**

Query Description :

Save | Cancel

Equipment Query – Saved Queries

- Equipment Query - Saved Queries
- Click the tab that reads ‘Saved Queries’
- The new query is displayed
- Click on the query name; the main Equipment Query page will be displayed
- Click ‘Search’ to run the saved query
- Results will be displayed

RAILINC | Umler TRAINUS1 : RAIL - RAILINC CORPORATION

Home Query Maintenance Upload / Download Account Administration Contact List Component Registry Help References

Equipment Query

Search Count Reset Save Clear

The number of equipment units matching the search criteria: 0

Basic Customize Query Output **Saved Queries**

My Saved Queries All Saved Queries

| Query Name | Query Description | Created Date | Created By | Action |
|----------------|---------------------------------------|--------------|------------|--------|
| Active Boxcars | Active Boxcars with the initials RAIL | 2019-03-11 | TRAINUS1 | Delete |

Equipment Query Results

Search Criteria Search Results

Select one or more equipment IDs, and an action, for pool management/equipment management. You may also click an equipment ID to display it.
39 matches found. 39 available for display. 39 matches displayed on this page.

| Select All / Unselect All | Equipment Id | Pool Number | Equipment Group | Equipment Type Code | Mechanical Designation | |
|---------------------------|---------------------------|-------------|-----------------|---------------------|------------------------|------|
| <input type="checkbox"/> | RAIL 36 | 0000000 | BOXC | R370 | RPL | RAIL |
| <input type="checkbox"/> | RAIL 55 | 0000000 | BOXC | R300 | RB | RAIL |
| <input type="checkbox"/> | RAIL 59 | 0000000 | BOXC | R400 | RB | RAIL |
| <input type="checkbox"/> | RAIL 303 | 0000000 | BOXC | A332 | XL | RAIL |
| <input type="checkbox"/> | RAIL 900 | 0000000 | BOXC | R400 | RB | RAIL |
| <input type="checkbox"/> | RAIL 999 | 0000000 | BOXC | A302 | XP | RAIL |
| <input type="checkbox"/> | RAIL 1010 | 0000000 | BOXC | A403 | XP | RAIL |
| <input type="checkbox"/> | RAIL 1558 | 0000000 | BOXC | R300 | RB | RAIL |
| <input type="checkbox"/> | RAIL 2229 | 0000000 | BOXC | R300 | RB | RAIL |
| <input type="checkbox"/> | RAIL 8003 | 0000000 | BOXC | R300 | RB | RAIL |
| <input type="checkbox"/> | RAIL 8005 | 0000000 | BOXC | R300 | RB | RAIL |
| <input type="checkbox"/> | RAIL 8010 | 0000000 | BOXC | R300 | RB | RAIL |
| <input type="checkbox"/> | RAIL 8015 | 0000000 | BOXC | R300 | RB | RAIL |

AFMC Inspection

Umler Query - Transaction Log

- Transaction Log:
 - Search By
 - Equipment ID(s)
 - All Dates
 - Date Range
 - Transaction Type
 - Equipment Initials
 - Output to Browser or CSV

Search Transaction Log
Enter the starting and ending date/time to display transactions that fall between the date range.

Search **Count** **Reset** **Clear**

In what format would you like your results? *** Output to (CSV is a chargeable function):**

*** Maximum Number of Results (Browser Output Only):**

Results will include transactions matching ALL of the following criteria

***At least one input is required:**

Starting Date/Time : AM PM

Ending Date/Time : AM PM

Search All Dates :
Equipment ID(s):

Company-Specific Equipment Group(s):

Transaction Type(s):

User ID(s) :

Equipment Type Code(s):

State(s) :

Pool ID(s):

Equipment Group(s):

Company ID(s):

Mechanical Designation(s):

EIN(s):

Element Value Criteria: Element Groups: Element: Transaction Value: All Values
Element Groups: Element: Previous Value : All Values

Results will include transactions matching ANY of the following Ownership/Control criteria

Show me all transactions on the equipment currently meeting the specified ownership/control criteria.
 Show me all transactions on the equipment that met the specified ownership/control criteria at the time of the transaction.

Equipment Initial(s):

Umler Owner(s):

Umler Company:

Lessee(s):

Stenciled Mark Owner(s):


Search **Count** **Reset** **Clear**

*** At least one input is required :**
 Search All Dates :
Equipment ID(s):

Company-Specific Equipment Group(s):

Umler Query - Transaction Log

- Click on transaction ID to view full details:
 - Shows the date and time of transaction
 - Mark of party who performed the action
 - Location (only on certain types)
- Common Transaction Types
 - ECA – Equipment Characteristic Add
 - ECC - Equipment Characteristic Change
 - ECD - Equipment Characteristic Delete
 - ABT – Air Brake Test
 - ABP – Prior ABT Date
 - REF – Reflectorization Event


Umler

[Home](#) | [Query](#) | [Maintenance](#) | [Upload / Download](#) | [Railinc Admin Functions](#) | [Account Administration](#) | [Contact List](#) | [Component Regi](#)

Transaction Log Search Results

Search Criteria
Search Results

38 matches found. 38 available for display. 38 matches displayed on this page.

The following transactions matched the specified search criteria.

| ID | TimeStamp | Equipment ID | EG | ETC | MD | Pool ID | Equip Owner | Lessee | Type | State | Company |
|---------------------------|---------------------|--------------|------|------|----|---------|-------------|--------|------|--------|----------------------|
| 149195035 | 02/10/2018 12:31 PM | RAIL 5000 | BOXC | R300 | RB | | RAIL | | ECA | Normal | RAIL |
| 149195036 | 02/10/2018 12:31 PM | RAIL 5000 | BOXC | | | | RAIL | | ABT | Normal | RAIL |
| 149195037 | 02/10/2018 12:31 PM | RAIL 5000 | BOXC | | | | RAIL | | REF | Normal | RAIL |
| 149195038 | 02/10/2018 12:31 PM | RAIL 5000 | BOXC | | | | RAIL | | IDD | Normal | RAIL |
| 149195043 | 02/10/2018 12:31 PM | RAIL 5000 | BOXC | R300 | RB | | RAIL | | ECC | Normal | AARG |
| 149195107 | 02/10/2018 12:33 PM | RAIL 5000 | BOXC | R300 | RB | | RAIL | | ABT | Normal | RAIL |
| 149195108 | 02/10/2018 12:33 PM | RAIL 5000 | BOXC | R300 | RB | | RAIL | | ABP | Normal | RAIL |
| 149195111 | 02/10/2018 12:33 PM | RAIL 5000 | BOXC | R300 | RB | | RAIL | | IDD | Normal | RAIL |
| 149195379 | 02/10/2018 12:42 PM | RAIL 5000 | BOXC | R300 | RB | | RAIL | | ECC | Normal | RAIL |
| 151615548 | 03/27/2018 04:41 AM | RAIL 5000 | BOXC | R300 | RB | | RAIL | | ECC | Normal | RAIL |
| 154224696 | 05/02/2018 12:40 PM | RAIL 5000 | BOXC | R300 | RB | | RAIL | | ECC | Normal | RAIL |
| 154246012 | 05/03/2018 09:08 AM | RAIL 5000 | BOXC | R300 | RB | | RAIL | | ECC | Normal | RAIL |
| 154246013 | 05/03/2018 09:08 AM | RAIL 5000 | BOXC | R300 | RB | | RAIL | | ECC | Normal | RAIL |
| 155069886 | 06/02/2018 07:33 AM | RAIL 5000 | BOXC | R300 | RB | | RAIL | | ECC | Normal | RAIL |
| 156620297 | 08/01/2018 07:36 AM | RAIL 5000 | BOXC | R300 | RB | | RAIL | | ECC | Normal | RAIL |
| 157341184 | 08/28/2018 03:10 PM | RAIL 5000 | BOXC | R300 | RB | | RAIL | | ECC | Normal | RAIL |

Transaction Details

| | | | |
|----------------------|-------------------------------------|-------------------------|--------------------------|
| Transaction ID : | 149195036 | Equipment Group: | BOXC |
| Timestamp: | 02/10/2018 12:31 PM | Mechanical Designation: | |
| Equipment ID: | RAIL 5000 | User: | SYSTGENR |
| Equipment Type Code: | | Equipment Owner: | RAIL |
| Type: | ABT | Lessee: | |
| State: | Normal | EIN: | |
| Company: | RAIL | | |
| Trans Source: | INTERNAL (Inspection Carry Forward) | | |

This Transaction was generated by Transaction ID: [149195035](#)

| Element ID | Element Name | Transaction Element Value | Previous Element Value | AC | Component ID | Component Location | Parent ID | Pa |
|------------|-----------------------|---------------------------|------------------------|----|--------------|--------------------|-----------|----|
| B523 | Air Brake Test Device | M | | | | | | |
| DTDN | Inspection Date Done | 02/01/2018 | | | | | | |
| PERF | Inspection Performer | RAIL | | | | | | |
| REPT | Inspection Reporter | RAIL | | | | | | |
| SPLC | Location/SPLC | 38000000 | | | | | | |

[Previous](#) | [Done](#) | [Next](#)

Historical Lineage

- Enter car number or EIN if known.
- Click 'Search.'
- Results are based on user permissions; some confidential fields may not be displayed.
- Full lineage of car is displayed.

Historical Lineage Query

Equipment ID : OR EIN :

Historical Lineage Query Results

| Search Criteria | | | | | | | | | | | | | Search Results | |
|----------------------------|--------------------------|--------------------|-------------|------|----|------------|--------------|-------------------------|----------------|-------------------------|-------------|----------|----------------|--|
| EIN | Equipment ID | Prior Equipment ID | Equip Group | ETC | MD | Built Date | Rebuilt Date | Effective Date | Status | Expiration Date | Most Recent | Conflict | Action | |
| 0010460460 | RAIL5420 | | GOND | G510 | GB | 10/01/2016 | | 2020-05-05 11:49:08.968 | Inactive | 9999-12-31 00:00:00.0 | Y | | OTHER | |
| 0010460460 | RAIL5420 | | GOND | G510 | GB | 10/01/2016 | | 2020-05-05 11:44:35.111 | Active | 2020-05-05 11:49:08.967 | | | OTHER | |
| 0010460460 | RAIL5420 | | GOND | G510 | GB | 10/01/2016 | | 2020-05-05 11:43:50.255 | Pre-Registered | 2020-05-05 11:44:35.109 | | | OTHER | |

Historical Lineage Query Results

Equipment ID : OR EIN :

Historical Lineage

- EIN Conflict
 - Two 'Y's in lineage = conflict
 - Only one car in a lineage may be active
 - Perform a display unit query
 - Click 'Equipment in Conflict' link to see the error
 - Modify the car to resolve EIN conflict

Historical Lineage Query Results

Search Criteria Search Results

5 items found, displaying all items.

| EIN | Equipment ID | Prior Equipment ID | Equip Group | ETC | MD | Built Date | Rebuilt Date | Effective Date | Status | Expiration Date | Most Recent | Conflict | Action |
|------------|--------------------------|--------------------------|-------------|------|----|------------|--------------|-------------------------|----------------|-------------------------|-------------|----------|--------------------|
| 0010224685 | RAIL8050 | | BOXC | R300 | RB | 01/01/1967 | | 2019-03-18 14:58:13.39 | Active | 9999-12-31 00:00:00.0 | Y | EIN | OTHER |
| 0010224685 | RAIL8051 | RAIL8050 | BOXC | R300 | RB | 01/01/1967 | | 2019-03-15 15:16:25.627 | Active | 9999-12-31 00:00:00.0 | Y | EIN | Add Restencile |
| 0010224685 | RAIL8050 | | BOXC | R300 | RB | 01/01/1967 | | 2019-03-15 15:16:25.627 | Inactive | 2019-03-18 14:58:13.389 | | | Add Restencile |
| 0010224685 | RAIL8050 | | BOXC | R300 | RB | 01/01/1967 | | 2019-03-15 15:14:15.51 | Active | 2019-03-15 15:16:25.627 | | | OTHER |
| 0010224685 | RAIL8050 | | BOXC | R300 | RB | 01/01/1967 | | 2016-12-08 08:48:42.178 | Pre-Registered | 2019-03-15 15:14:15.508 | | | Add Multiple Clone |

Display Unit

Lookup Lookup Result

[Equipment is in conflict, click to view.](#) **Modify Equipment** Cancel

Collapse All **Expand All** Equipment ID: RAIL0000008050 Equipment Group: BOXC Stenciled Mark Owner: RAIL

Show database values: Flat View: [Equip PDF](#) [Equipment Health View](#)

[General](#) [Weight](#) [Dimension](#) [Door](#) [Specification](#) [Feature](#) [Cost](#) [Car_Management](#) [Train_Service](#) [Truck_Components](#) [Draft_System_Components](#) [Unit_Segment_Components](#) [Brake](#)

General

| Element Name | ID | Flag | Value | Conflict |
|--------------|----------------------|------|------------|----------|
| Status Code | USCD | ● | A - ACTIVE | |

Equipment Identification [EINN](#) 0010224685

Only 1 equipment record in the EIN lineage may have Active status. Check Historical Lineage to identify record that should be made Inactive.

Single Equipment Modify - Components By Location View

Validate **Submit**

Collapse All **Expand All** Equipment ID: RAIL 8050 Equipment Group: BOXC [Equipm](#)

[General](#) [Weight](#) [Dimension](#) [Door](#) [Specification](#) [Feature](#) [Cost](#) [Car_Management](#) [Train_Service](#) [Truck_Componen](#)

General

| Element Name | ID | Flag | Current Value | Del | New Value | Notice Value |
|------------------------|----------------------|------|----------------------------------|-----|---------------------|--------------|
| Status Code | USCD | ● | A-ACTIVE | | I - INACTIVE | |
| Mechanical Designation | UMMD | ● ▲ | RB-Box-Refrigerator (Bunkerless) | | | |

Questions?

Umler Maintenance Options

- Maintenance tasks
 - Add Equipment
 - Clone Equipment
 - Add-Back Equipment
 - Modify Equipment
 - Restencil
 - Delete Equipment

The screenshot displays the RAILINC Umler web application interface. At the top left is the RAILINC logo, followed by the text "Umler" and "TRAINUS" on the right. Below the header is a navigation bar with tabs: Home, Query, Maintenance, Upload / Download, Account Administration, and Contact List. The "Maintenance" tab is active, and a dropdown menu is open, listing the following options: Add/Change/Delete >, Car Management >, Inspections, Company-Specific Equipment Groups >, Notice Management, Suspended Work, and Manage Future Transactions. A secondary dropdown menu is open from "Add/Change/Delete >", listing: Add Equipment, Clone Equipment, Add-Back Equipment, Multiple Add-Back, Modify Single Equipment, Modify Multiple Equipment, Single Restencil, Multiple Restencil, Change Equipment Group, Update Equipment Maintenance Party, and Delete Equipment. On the left side of the page, there is a "Welcome to" section with a paragraph of text. On the right side, there is a "rail equipment da" section with a paragraph of text.

Add Equipment

- ‘Add Equipment’ function is used to add new equipment into Umler.
 - Enter the Equipment ID.
 - Multiple IDs can be entered at the same time.
 - Select Equipment Group from the drop-down menu.
 - For articulated equipment, enter the Connected Unit Count or leave the default as zero.
 - Click ‘Validate.’
 - Click ‘Submit.’

Add Equipment

Note: If this equipment unit has a prior ID, please go to the restencil function.

✓ Validation succeeded. Click the Submit button to go to the next screen.

*Equipment ID(s): RAIL0000667720

*Equipment Group: BOXC - BOX CAR

*Connected Unit Count: 0

Validate

Submit

Reset

Clear

Cancel

Add Equipment

- All mandatory elements must be populated.
- The elements shown are based upon the equipment type selection made.
- When all input is complete, select 'Validate' to check for any errors.
- Click 'Submit.'

Add Equipment

Validate **Submit** Reset Clear Suspend Cancel

*Equipment ID(s): RAIL0000667720

Collapse All Expand All Equipment Group: BOXC Number of Equipment Units: 1

[General](#) [Weight](#) [Dimension](#) [Door](#) [Specification](#) [Feature](#) [Cost](#) [Car Management](#) [Train Service](#) [Truck Components](#) [Draft System Components](#) [Unit Segment Comp](#)
[Default Presentation Group](#)

| General | | | | | |
|---------------------------|------|------|------------------------------|-------|--|
| Element Name | ID | Flag | Value | Error | |
| Status Code | USCD | ● | P - PRE-REGISTERED | | |
| Mechanical Designation | UMMD | ● ▲ | XM - Box-General Service | | |
| Equipment Type Code | UMET | | | | |
| Maint of Way Service Type | B403 | | | | |
| Built Date | BLDT | ● | 11/01/2018 | | |
| Rebuilt / ILS Date | RBDI | | | | |
| Owner | UMOW | ● | RAIL | | |
| Lessee | LESE | | | | |
| Maintenance Party | MNPT | | | | |
| Mark Owner Category | B201 | | | | |
| Prior Equipment ID | PRID | | | | |
| Last Update Date | B122 | | | | |
| Equipment Add Date | B082 | | | | |
| Status Change Reason | USCR | | | | |
| Status Change Date | USCT | | | | |
| Extended Service | A096 | ● | E - Built new from July 1,19 | | |

Success Page is Displayed



Equipment updates submitted to the system

Success

All updates were successfully applied to the system

Equipment transactions submitted : 1

Successful equipment transactions : 1

Partially successful transactions :0

Failed equipment transactions (Notices) : 0

Inspections transactions submitted : 0

Successful Inspection transactions : 0

Failed Inspection transactions (Notices) :0

Equipment with errors on the current record (Conflicts) :0

Done

Clone Equipment

- The 'Clone Equipment' function is used to add single and multiple pieces of equipment by cloning from an existing unit.
 - Minimal changes reduce the time required to build new fleets in Umler.
- Enter Source Equipment ID for cloning.
- Next, enter New Equipment ID(s) to be created from the source ID.
- Click 'Validate.'
- Click 'Submit.'

Clone Equipment

✓ Validation succeeded. Click the Submit button to go to the next screen.

*Source Equipment ID:

*New Equipment ID(s):

Clone Equipment

- Ensure all mandatory fields are populated and contain the correct information for the new equipment ID
 - Built Date
 - Owner
 - Extended Service Code
 - Original Cost

Clone Equipment

Validate Submit Reset Clear Suspend Cancel

New Equipment ID(s): RAIL000003333

Collapse All Expand All Source Equipment ID: RAIL 3 Equipment Group: GOND

[General](#) [Weight](#) [Dimension](#) [Door](#) [Specification](#) [Feature](#) [Cost](#) [Car Management](#) [Train Service](#) [Truck Components](#) [Draft System Components](#) [Unit Segment Components](#) [Default Presentation Group](#)

| Element Name | ID | Flag | Source | Del | Value | Error |
|---------------------------|------|------|------------|-----|-----------------------|-------|
| Status Code | USCD | ● | A | 🗑️ | P - PRE-REGISTEF ▼ | |
| Mechanical Designation | UMMD | ● ▲ | GB | 🗑️ | GB - Gondola-Flat E ▼ | |
| Equipment Type Code | UMET | | G510 | | <input type="text"/> | |
| Maint of Way Service Type | B403 | | | 🗑️ | <input type="text"/> | |
| Built Date | BLDT | ● 📅 | 10/01/2010 | 🗑️ | <input type="text"/> | |
| Rebuilt / ILS Date | RBDT | | | 🗑️ | <input type="text"/> | |
| Owner | UMOW | ● | RAIL | 🗑️ | <input type="text"/> | |
| Lessee | LESE | | | 🗑️ | <input type="text"/> | |
| Maintenance Party | MNPT | | RAIL | 🗑️ | <input type="text"/> | |
| Mark Owner Category | B201 | | V | | <input type="text"/> | |
| Prior Equipment ID | PRID | | | | <input type="text"/> | |
| Last Update Date | B122 | | 09/20/2018 | | <input type="text"/> | |
| Equipment Add Date | B082 | | 02/16/2017 | | <input type="text"/> | |
| Status Change Reason | USCR | | | | <input type="text"/> | |
| Status Change Date | USCT | | | | <input type="text"/> | |
| Extended Service | A096 | ● | E | 🗑️ | <input type="text"/> | |

Clone Equipment

- When all updates are done, click 'Validate' to check for errors.
- Click 'Submit.'
- A confirmation page is displayed and confirms all updates were successfully applied to the system.

Clone Equipment

✓ Equipment Add transaction validation was successful

Validate Submit Reset

New Equipment ID(s): RAIL000003333

Collapse All Expand All

Source Equipment ID: RAIL 3 Equipment Group: GOND

[General](#) [Weight](#) [Dimension](#) [Door](#) [Specification](#) [Feature](#) [Cost](#) [Car_Management](#) [Train_Service](#) [Truck_Components](#) [Draft](#)
[Default_Presentation_Group](#)

| General | | | | | | | |
|---------------------------|------|------|------------|-----|-----------------------|-------|--|
| Element Name | ID | Flag | Source | Del | Value | Error | |
| Status Code | USCD | ● | A | 🗑️ | P - PRE-REGISTEF ▼ | | |
| Mechanical Designation | UMMD | ● ▲ | GB | 🗑️ | GB - Gondola-Flat E ▼ | | |
| Equipment Type Code | UMET | | G510 | | G510 | | |
| Maint of Way Service Type | B403 | | | 🗑️ | ▼ | | |
| Built Date | BLDT | ● 🟡 | 10/01/2010 | 🗑️ | 11/01/2011 📅 | | |
| Rebuilt / ILS Date | RBDT | | | 🗑️ | 📅 | | |
| Owner | UMOW | ● | RAIL | 🗑️ | RAIL | | |
| Lessee | LESE | | | 🗑️ | | | |
| Maintenance Party | MNPT | | RAIL | 🗑️ | RAIL | | |
| Mark Owner Category | B201 | | V | | V | | |
| Prior Equipment ID | PRID | | | | | | |

Modify Single Equipment

- Allows users to make changes to a single piece of equipment.
- Enter Equipment ID and click 'Modify.'
 - Example: car owner has leased RAIL1200 to ABCX.
 - Car owner will update 'Lessee field' (LESE).
 - Once complete, click 'Validate' to check for any errors.
 - Click 'Submit.'

The screenshot shows the RAILINC Umler web application interface. At the top, there is a navigation bar with the RAILINC logo and the user name 'Umler'. Below the navigation bar, there is a menu with options: Home, Query, Maintenance, Upload / Download, Account Administration, Contact List, Component Registry, Help, and References. The main content area is titled 'Single Equipment Modify' and contains a form for editing equipment details. The form includes a text input field for '*Equipment ID:' with the value 'RAIL0000001200'. Below this, there are two radio buttons: 'View Components By Element' (unselected) and 'View Components By Location' (selected). There are 'Modify' and 'Cancel' buttons. The 'Modify' button is circled in red. Below the form, there is a section titled 'Single Equipment Modify - Components By Location View'. This section has 'Validate' and 'Submit' buttons, with the 'Validate' button circled in red. Below the buttons, there are 'Collapse All' and 'Expand All' buttons. The main content area displays a table with columns: Element Name, ID, Flag, Current Value, Del, New Value, and Notice Value. The table contains the following data:

| Element Name | ID | Flag | Current Value | Del | New Value | Notice Value |
|---------------------------|----------------------|------|-------------------|-----|-----------------------------------|--------------|
| Status Code | USCD | ● | A-ACTIVE | | <input type="text"/> | |
| Mechanical Designation | UMMD | ● ▲ | LO-Hopper-Covered | | <input type="text"/> | |
| Equipment Type Code | UMET | | C111 | | <input type="text"/> | |
| Maint of Way Service Type | B403 | | | | <input type="text"/> | |
| Built Date | BLDT | ● 📅 | 06/23/2016 | | <input type="text"/> | |
| Rebuilt / ILS Date | RBDT | | | | <input type="text"/> | |
| Owner | UMOW | ● | RAIL | | <input type="text"/> | |
| Lessee | LESE | | | | <input type="text" value="ABCX"/> | |
| Maintenance Party | MNPT | | RAIL | 🗑️ | <input type="text"/> | |

Modify Single Equipment

- Confirmation that validation was successful.
- Click 'Submit.'
- Equipment updates submitted to the system message are displayed.
- Click 'Done.'

Single Equipment Modify - Components By Location View

✓ Equipment Modify transaction validation was successful

Validate Submit

Collapse All Expand All Equipment ID: RAIL 1200 Equipment Group: HOPP [Equipme](#)

[General](#) [Weight](#) [Dimension](#) [Specification](#) [Feature](#) [Cost](#) [Car_Management](#) [Train_Service](#) [Truck_Components](#) [Draf](#)

| General | | | | | | | |
|---------------------------|----------------------|------|-------------------|-----|-----------------------------------|--------------|--|
| Element Name | ID | Flag | Current Value | Del | New Value | Notice Value | |
| Status Code | USCD | ● | A-ACTIVE | | <input type="text"/> | | |
| Mechanical Designation | UMMD | ● ▲ | LO-Hopper-Covered | | <input type="text"/> | | |
| Equipment Type Code | UMET | | C111 | | <input type="text"/> | | |
| Maint of Way Service Type | B403 | | | | <input type="text"/> | | |
| Built Date | BLDT | ● 📅 | 06/23/2016 | | <input type="text"/> | | |
| Rebuilt / ILS Date | RBDT | | | | <input type="text"/> | | |
| Owner | UMOW | ● | RAIL | | <input type="text"/> | | |
| Lessee | LESE | | | | <input type="text" value="ABCX"/> | | |

Equipment updates submitted to the system

Success

All updates were successfully applied to the system

Equipment transactions submitted : 1
Successful equipment transactions : 1
Partially successful transactions : 0
Failed equipment transactions (Notices) : 0

Inspections transactions submitted : 0
Successful Inspection transactions : 0
Failed Inspection transactions (Notices) : 0

Equipment with errors on the current record (Conflicts) : 0

Delete Equipment

- The 'Delete Equipment' function allows a user to deactivate an Umler record, sending the record to archive.
 - Enter Equipment ID(s)
 - Select 'Validate' to check for any errors.
 - Click 'Submit.'

Delete Equipment ?

✔ Validation of the equipment delete succeeded. Click the Submit button to navigate to confirmation screen.

Validate Submit Cancel

Enter equipment IDs for deletion, and then click the "Submit" button.

*Equipment ID(s): RAIL0000005000

Validate **Submit** Cancel

Delete Equipment

- A confirmation page is displayed.
- Check the box beside the Equipment ID and select the appropriate delete reason from the drop-down list.
- Click 'Submit.'
- A second confirmation panel is displayed.
- Click 'Ok' to complete.

Confirm Deletion of Equipment ?

Submit Cancel

Equipment Count: 1
Select the equipment units you wish to delete, then click the "Submit" button.

| Select All / Unselect All | Delete Reason | Equipment ID | Pool Number | Status | Lessee | Umler Owner |
|-------------------------------------|-------------------------------|--------------|-------------|--------|--------|-------------|
| <input checked="" type="checkbox"/> | <input type="text" value=""/> | RAIL 5000 | 0000000 | I | | RAIL |

Restenciled
Destroyed or wrecked
Lease terminated, removed from fleet
Retired unserviceable beyond economic repair
Rebuilt
Sold Serviceable
Over age retired for dismantling
Error, reporting did not exist
Other

Submit Cancel

legal notice tact us © 2018 Railinc. All rights reserved.

You are about to Delete (1) Equipment. Press OK to confirm.

OK

Cancel

Delete Equipment

- A summary screen is displayed to confirm the results.
 - The equipment was successfully deleted.
 - If the delete fails, go to 'Notice Management' to identify the error and/or
 - Contact our CSC for assistance.

Delete Equipment Summary

| | |
|---------------------------|---|
| Equipment Delete Total: | 1 |
| Equipment Delete Success: | 1 |
| Equipment Delete Failed: | 0 |

Done

Notice Management

- The 'Notice Management' function allows the user to review/process notices generated from maintenance updates.
- There are three types of notices generated in notice management:
 - 1) Informational
 - 2) Warning
 - 3) Error
- Enter search criteria to query notices that may require action.

The screenshot displays the RAILINC Umler web application. At the top, the RAILINC logo and the user name 'Umler' are visible. A navigation menu includes 'Home', 'Query', 'Maintenance', 'Upload / Download', and 'Account Administration'. The 'Maintenance' menu is expanded, showing options: 'Add/Change/Delete >', 'Car Management >', 'Inspections', 'Company-Specific Equipment Groups >', 'Notice Management' (highlighted with a mouse cursor), 'Suspended Work', and 'Manage Future Transactions'.

Below the menu, a 'Search Notices' section is shown. It includes a search criteria form with the following fields and values:

- Starting Date/Time:** 03/25/2019 12:01 AM
- Ending Date/Time:** 03/26/2019 11:59 AM
- Search All Dates:**
- Equipment ID(s):** [Empty text box]
- Company-Specific Equipment Group(s):** [Empty dropdown menu]
- * Notice Type:** [Dropdown menu with options: AFMC Inspection, AFMC Inspection Nullification, AFMC Inspection Removal, Add Company Specific Equipment Group, Add Equipment to Company Specific Equipment Group, Add a Pool Header, Add to Pool, Air Brake Nullification]
- * Notice Level:** [Dropdown menu with options: Error, Information, Warning]
- * Notice Status:** [Dropdown menu with option: Active]
- * Notice Group:** [Dropdown menu with option: Normal]
- Event/Response Code(s):** [Empty text box]
- Equipment Group(s):** [Dropdown menu with options: Box, Gondola, Hopper]
- Mechanical Designation(s):** [Empty text box]
- User ID(s):** [Empty text box]
- Equipment Type Code(s):** [Empty text box]
- Pool ID(s):** [Empty text box]
- Notice ID(s):** [Empty text box]
- Element ID(s):** [Empty text box]

At the bottom of the search form, there is a checkbox labeled 'Restrict results to only Element ID(s) entered:'.

Notice Management

- Notices can be reviewed to identify problems that users are encountering when attempting to enter information into the system and/or why data changes did not occur.
 - Users can select multiple notices for deletion after issues have been reviewed and/or corrected.
 - Use drop-down menu for available tasks on top right.

Notice Search Results

| Search Criteria | | Search Results | | | | | | | | | | | | | | | | |
|--|--------------------------|---------------------|--------------|------|------|----|----------|---------|----------------------|--------|------|------------|-------------|------------|----------------|--------------------------|--------|------------------------|
| 10 matches found. 10 available for display. 10 matches displayed on this page. | | | | | | | | | | | | | | | | | | |
| Select All / Unselect All | ID | Time Stamp | Equipment ID | EG | ETC | MD | Group ID | Pool ID | Stenciled Mark Owner | Lessee | Type | Event Code | Level | Element ID | Element Value | User | Status | Maintenance Party Mark |
| <input type="checkbox"/> | 45782377 | 03/25/2019 08:58 AM | UTLX 94483 | TANK | T105 | T | | | UTCX | | ECC | ECC0000001 | Error | A146 | | EWSYSGEN | Active | UTCX |
| <input type="checkbox"/> | 45782567 | 03/25/2019 10:01 AM | BRGX 259 | TANK | T109 | T | | | TILX | | ECC | ECC0000001 | Warning | 0001 | BRGX0000000259 | EWSLCKAD | Active | BRGX |
| <input type="checkbox"/> | 45782568 | 03/25/2019 10:01 AM | BRGX 260 | TANK | T109 | T | | | TILX | | ECC | ECC0000001 | Warning | 0001 | BRGX0000000260 | EWSLCKAD | Active | BRGX |
| <input type="checkbox"/> | 45782569 | 03/25/2019 10:01 AM | BRGX 263 | TANK | T109 | T | | | TILX | | ECC | ECC0000001 | Warning | 0001 | BRGX0000000263 | EWSLCKAD | Active | BRGX |
| <input type="checkbox"/> | 45782570 | 03/25/2019 10:01 AM | BRGX 269 | TANK | T109 | T | | | TILX | | ECC | ECC0000001 | Warning | 0001 | BRGX0000000269 | EWSLCKAD | Active | BRGX |
| <input type="checkbox"/> | 45782571 | 03/25/2019 10:01 AM | BRGX 270 | TANK | T109 | T | | | TILX | | ECC | ECC0000001 | Warning | 0001 | BRGX0000000270 | EWSLCKAD | Active | BRGX |
| <input type="checkbox"/> | 45782771 | 03/25/2019 11:10 AM | CTCX 250724 | TANK | T107 | T | | | CEFX | | ECC | ECC0000001 | Information | | | CARRYFWD | Active | CEFX |
| <input type="checkbox"/> | 45782772 | 03/25/2019 11:10 AM | CTCX 250724 | TANK | T107 | T | | | CEFX | | ECC | ECC0000001 | Information | | | CARRYFWD | Active | CEFX |
| <input type="checkbox"/> | 45784487 | 03/25/2019 03:38 PM | CSXT 401214 | GOND | J311 | GT | | | CSXT | | ECC | ECC0000001 | Information | | | CARRYFWD | Active | CSXT |
| <input type="checkbox"/> | 45784490 | 03/25/2019 03:43 PM | KLRX 615066 | BOXC | A603 | XP | | | KLRX | | ECC | ECC0000001 | Error | | | CARRYFWD | Active | KLRX |

Delete Selected

Notice Details

ID: 45782377
Date/Time: 03/25/2019 08:58 AM
Equipment ID: UTLX 94483
Equipment Group: TANK
Mechanical Designation: T
Event Code: ECC0000001
Stenciled Mark Owner: UTCX
Maintenance Party Mark(s): UTCX

General

| Element Name | ID | Flag | Value | Conflict |
|--------------|----------------------|------|----------------|----------|
| Equipment ID | 0001 | | UTLX0000094483 | |

Specification

| Element Name | ID | Flag | Value | Conflict |
|----------------------|----------------------|------|-------|----------|
| CC Side Bearing Type | A146 | | | |

All Tank cars must be equipped with (M-948) approved Long Travel CC Side Bearings.

Notice Management - Informational Notice



Notice Details

| | | | |
|----------------------------|---------------------|----------------------|--------------------------|
| ID: | 44783094 | Type : | TIC |
| Date/Time: | 11/27/2018 07:45 AM | Level : | Information |
| Equipment ID: | RAIL 32118 | Status: | Active |
| Equipment Group: | TANK | Equipment Type Code: | T178 |
| Mechanical Designation: | T | Pool ID: | |
| Event Code: | 341 | User: | CFLTCHEK |
| Stenciled Mark Owner: | RAIL | Lessee: | |
| Maintenance Party Mark(s): | RAIL | | |

Notice Messages

Umler Conflict Notice type:341. A conflict condition has existed for Equipment ID: RAIL 32118 since November 11, 2018. Your equipment is Subject to Zero-Rating. If the conflict is not resolved the equipment will be zero-rated on the January 2019 CHARM file. For more information about resolving conflicts, please review the [Managing Equipment Conflicts](#) web demo at www.railinc.com.

[Delete](#) [Done](#)

Notice Management - Warning Notice



Notice Details

| | | | |
|----------------------------|---------------------|----------------------|-------------------------|
| ID: | 44489588 | Type : | ECC |
| Date/Time: | 11/13/2018 08:57 AM | Level : | Warning |
| Equipment ID: | [REDACTED] | Status: | Active |
| Equipment Group: | HOPP | Equipment Type Code: | C113 |
| Mechanical Designation: | LO | Pool ID: | |
| Event Code: | ECC0000001 | User: | efkmm01 |
| Stenciled Mark Owner: | [REDACTED] | Lessee: | |
| Maintenance Party Mark(s): | [REDACTED] | | |

General

| Element Name | ID | Flag | Value | Conflict |
|--------------|----------------------|------------|------------|---|
| Equipment ID | 0001 | [REDACTED] | [REDACTED] | The data entered by the user resulted in no changes being applied to the system because the values entered matched what is currently populated in the Umler system. |

Notice Management - Error Notice



Notice Details

| | | | |
|----------------------------|---------------------|----------------------|--------------------------|
| ID: | 44786908 | Type : | ECC |
| Date/Time: | 11/27/2018 10:50 AM | Level : | Error |
| Equipment ID: | [REDACTED] | Status: | Active |
| Equipment Group: | TANK | Equipment Type Code: | T107 |
| Mechanical Designation: | T | Pool ID: | |
| Event Code: | ECC0000001 | User: | EWSYSGEN |
| Stenciled Mark Owner: | [REDACTED] | Lessee: | |
| Maintenance Party Mark(s): | [REDACTED] | | |

General

| Element Name | ID | Flag | Value | Conflict |
|--------------|----------------------|------|------------|----------|
| Equipment ID | 0001 | | [REDACTED] | |

Specification

| Element Name | ID | Flag | Value | Conflict |
|----------------------|----------------------|------|-------|----------|
| CC Side Bearing Type | A146 | | | |

All Tank cars must be equipped with (M-948) approved Long Travel CC Side Bearings.

[Continue Modify Equipment](#)

[Delete](#) [Done](#)

Umler Maintenance Shortcuts



- **Clone Equipment** – The value of cloning equipment is that the user is starting with a base set of elemental data, from an existing source equipment ID, versus adding the new fleet equipment ID(s) from scratch.
- **Multiple Add-Back** – The ‘Multiple Equipment Add-Back’ function is used to reactivate multiple “archived” equipment units at one time.
- **Modify Multiple Equipment** – The ‘Modify Multiple Equipment’ function is used to change selected elements for several equipment units in one editing session.
- **Multiple Restencil** – The ‘Multiple Restencil’ function is used to restencil multiple cars sequentially or following a pattern.
- **Suspended Work** – This task is available for suspending updates when you need to verify data or if you cannot resolve validation issues without further guidance.

Restencil /Transfer Equipment

- Restenciling refers to the act of changing the equipment mark and number that is stenciled on the side of an equipment unit.
 - The restencil function allows a user to create a new equipment record from a prior equipment registration.
- The value of restencilling is that it allows the recording of equipment changes over time to be transferred even through ownership changes.
 - Since the equipment identification number (EIN) links equipment records together, it enables inspections and other equipment information to be maintained.
- Users can perform a ‘Single Restencil’ or ‘Multiple Restencil.’

The screenshot displays the RAILINC Umler web application interface. At the top, the RAILINC logo and the word 'Umler' are visible. Below this is a navigation bar with tabs for Home, Query, Maintenance, Upload / Download, Account Administration, Contact List, Component Registry, Help, and References. The 'Upload / Download' tab is active, and a dropdown menu is open, listing various actions: Add/Change/Delete >, Car Management >, Inspections, Company-Specific Equipment Groups >, Notice Management, Suspended Work, Manage Future Transactions, Add Equipment, Clone Equipment, Add-Back Equipment, Multiple Add-Back, Modify Single Equipment, Modify Multiple Equipment, Single Restencil (highlighted), Multiple Restencil, Change Equipment Group, Update Equipment, Maintenance Party, and Delete Equipment. The main content area contains a 'Welcome to' message, a paragraph about the Railinc equipment accounting files, a paragraph about the Umler system providing real-time access to equipment data, and a paragraph about the Umler system enabling better communication among rail partners.

[Umler User Guide](#)
[Umler Data Specification Manual](#)
[Umler Change Request Form](#)
[Component Registry User Guide](#)
[Component Registry Data Specification Manual](#)

Restencil - Add View Confidential Data Rights

- When a car needs to be restenciled, the selling entity must grant view confidential data rights for the Umler record(s) to the buying entity.
 - The buying entity receiving confidential data rights must also have their **own Umler permissions** (with equipment rights) **under their own mark**.
- The buying entity must then accept the confidential data rights and assign to a user ID before they can perform the Umler restencil task.

Account Administration

Security Management

Configure Ticklers

Usage Statistics

Administer Access Rights Involving Other Companies

[Manage Inter-Company Access Rights / Profiles Granted by My Company](#)

[Manage Inter-Company Access Rights Granted to My Company](#)

[Manage Inter-Company Profiles Granted to My Company](#)

[Special SSO Security request for non-participating companies](#)

[View Status of Special Umler SSO Requests](#)

Restencil – Add View Confidential Data Rights

Example Scenario:

Car number AARX 8885 was sold to RAIL. RAIL needs access to perform the restencil.

- AARX 8885 to AARE 4500
- Seller (AARX) goes to ‘Administer Access Rights Involving Other Companies’ and selects ‘Manage Inter-Company Access Rights/ Profiles Granted By My Company.’
- Seller selects the company mark (RAIL) they wish to grant rights to or selects ‘Add a Company.’
- Select ‘Grant Access Rights.’

Inter-Company Access Rights Granted by My Company

Select the company whose access rights you want to edit.

| Select | Company | Company Name |
|----------------------------------|---|--------------|
| | No companies are currently managed by your company. | |
| <input checked="" type="radio"/> | RAIL - RAILINC CORPORATION | |

[Grant Access Rights](#) [Grant Profiles](#) [Done](#)

Inter-Company Access Rights Granted by My Company

Select the company whose access rights you want to edit.

| Select | Company | Company Name |
|----------------------------------|-----------------------------------|---------------------|
| <input type="radio"/> | RAIL | RAILINC CORPORATION |
| <input checked="" type="radio"/> | AARE - RAILINC Umler Test Company | |

[Grant Access Rights](#) [Grant Profiles](#) [Done](#)

Restencil – Add View Confidential Data Rights

- Then select 'Add View Confidential Data Right.'

Update Access Rights

Currently editing access rights for: [RAIL](#)

| Select | ID | Effective Date | Expiration Date | Type | Description | Status |
|--------|----|----------------|-----------------|------|-------------|--------|
|--------|----|----------------|-----------------|------|-------------|--------|

You have granted no access rights to this company.

[Add Pool Right](#) [Add Equipment Right](#) [Add Inspection Right](#) [Add View Confidential Data Right](#)

[Done](#)

Restencil – Add View Confidential Data Rights

- Next, enter the required fields:
 - Step 1 - Add a brief description.
 - “Sold AARX 8885 to AARE”
 - Step 2 - Add ‘Effective Date’ as the current date.
 - Step 3 - Modify ‘Expiration Date’ or leave as default of 12/31/9999.
 - Step 4 - Enter ‘Range of Equipment’ or specify individual Equipment ID’s by unchecking ‘All Equipment’ and adding car number to box.
 - Click ‘Save.’

View Confidential Data Access Right

Currently editing access rights for: [AARE](#)

Edit the details of the access right.

[Save](#) [Count Equipment](#) [Cancel](#)

Description of Access Right

** Description::

Sold AARX 8885 to AARE

Timeframe of Authority

* Effective Date:

06/07/2021

* Expiration Date:

12-31-9999

Range of Equipment

All Equipment:

SCAC(s):

AARX

Initial(s):

AARX

Equipment Group(s):

BOXC
CHSS
CONT
EOTD

Equipment:

AARX 8885

[Save](#) [Count Equipment](#) [Cancel](#)

Restencil – Add View Confidential Data Rights

- Confirmation rights have been granted successfully.
- Rights will be in pending status until accepted.
- Additional options to add or revoke other rights are displayed.
- Click 'Done' when finished.

Update Access Rights

✔ View Confidential Data Right added successfully.

Currently editing access rights for: [AARE](#)

| Select | ID | Effective Date | Expiration Date | Type | Description | Status |
|----------------------------------|--------|----------------|-----------------|------------------------|------------------------|---------|
| <input checked="" type="radio"/> | 975146 | 06/07/2021 | 12/31/9999 | View Confidential Data | Sold AARX 8885 to AARE | Pending |

[Add Pool Right](#) [Add Equipment Right](#) [Add Inspection Right](#) [Add View Confidential Data Right](#) [View](#) [Revoke](#)

[Done](#)

Restencil – Accept Rights Granted to My Company

- The buying entity goes to the ‘Account Administration’ tab and selects ‘Security Management.’
- Next, under the ‘Administer Access Rights Involving Other Companies’, the buying entity clicks the link, ‘Inter-Company Access Rights Granted to My Company.’
- The buying entity scrolls to select the ‘Confidential Data Rights’ from the seller (AARX) based on the effective date and then clicks ‘View.’

Administer Access Rights Involving Other Companies

[Manage Inter-Company Access Rights / Profiles Granted by My Company](#)
[Manage Inter-Company Access Rights Granted to My Company](#)
[Manage Inter-Company Profiles Granted to My Company](#)

[Special SSO Security request for non-participating companies](#)
[View Status of Special Umler SSO Requests](#)

Inter-Company Access Rights Granted to My Company

[View](#) [Done](#)

| Select | ID | Grantor | Effective Date | Expiration Date | Type | Description | Status |
|----------------------------------|--------|----------------------|----------------|-----------------|--------------------------------------|---------------------------|--------------|
| <input type="radio"/> | 972910 | RAIL | 03/18/2021 | 12/31/9999 | Data View Confidential Data | regression | Accepted |
| <input type="radio"/> | 975126 | RAIL | 06/04/2021 | 06/05/2021 | Data View Confidential Data | Rule 88C Test | Expired |
| <input type="radio"/> | 975144 | RAIL | 06/07/2021 | 12/31/9999 | Data View Confidential Data | test 6721 | Relinquished |
| <input checked="" type="radio"/> | 975146 | AARX | 06/07/2021 | 12/31/9999 | Data View Confidential Data | Sold AARX 8885 to AARE | Accepted |

[View](#) [Done](#)

Restencil – Accept Rights Granted To My Company

- A summary of the Rights that were granted is displayed
- Check the box to Accept per the New Rule 88-C Process
- Download the CSV file to view the car details

View Confidential Data Access Right

Details

Status: Pending
 Company: [AARX](#)
 Description: Sold AARX 8885 to AARE

Timeframe of Authority

Effective Date: 06/07/2021 Expiration Date: 12/31/9999

Range of Equipment

Equipment Types(s) : AARX0000008885

Accept **Decline** **Done**

[Download CSV](#)

By checking this box and accepting confidential data rights, the accepting party confirms that equipment meets the requirements of AAR Office Manual Rule 88.C.1.b. Specifically, the accepting party confirms that the units do not have any basic structural weakness or damage that would cause an unsafe operating condition or that any such weakness or damage has been repaired by an MSRP M-1003 certified car repair facility and currently meet all applicable interchange requirements.

Additionally, if the transaction includes Tank Car equipment, the accepting party confirms that they have received copies of the Certificate of Construction (AAR Form 4-2) and Exhibit R-1 forms (see MSRP Section C-III) along with drawings of General Arrangement, Tank Arrangement, and Fittings Arrangement(s).

| | A | B | C | D | E | F |
|---|----------------|--------------------|------------|--------------|------------------------|--------------------------------------|
| 1 | Equipment Id | Prior Equipment ID | Built Date | Rebuilt Date | Mechanical Designation | Original Certificate of Construction |
| 2 | AARX0000008885 | AARX0000008880 | 99991231 | | GB | |

Restencil – Accept Rights Granted To My Company

- Confirmation that the Rights were accepted successfully
- Click ‘Assign to User’

View Confidential Data Access Right

✔ Inter-company access right accepted successfully.

Details

Status: Accepted
Company: [AARX](#)
Description: Sold AARX 8885 to AARE

Timeframe of Authority

Effective Date: 06/07/2021 Expiration Date: 12/31/9999

Range of Equipment

Equipment Types(s) : AARX0000008885

[Assign to User](#) [Assign to Profile](#) [Relinquish](#) [Done](#)

Restencil – Accept Rights Granted To My Company

- Locate the User ID that is accepting the Confidential Data Rights.
- Click the radio button next to the User ID.
- Click 'Select.'

| | | |
|----------------------------------|--------------------------|-------------------|
| <input type="radio"/> | MIB01 | Flower, David |
| <input type="radio"/> | MIB02 | Clinton, Andrew |
| <input type="radio"/> | MIB0304 | Craftsman, Terry |
| <input type="radio"/> | MIB | Hill, T |
| <input checked="" type="radio"/> | TRAINUS1 | Brewer, Tracy |
| <input type="radio"/> | WEBTEST1 | Mitchell, George |
| <input type="radio"/> | MIB0001 | Jacobson, William |
| <input type="radio"/> | MIB0002 | Proctor, William |
| <input type="radio"/> | MIB0003 | Cramer, Jeff |
| <input type="radio"/> | MIB0004 | Wells, Kevin |
| <input type="radio"/> | MIB0005 | Wendlandt, Henry |
| <input type="radio"/> | MIB0006 | Clayton, Paul |

Restencil – Accept Rights Granted to My Company

- The 'View Confidential Data Access Rights' screen is displayed containing the details of the access granted.
- The Effective Date must be the current date if not accepting the rights on same day as granted.
- Click 'Save' to complete the transaction.
- Click 'Done' to exit.

View Confidential Data Access Right

Currently assigning a right to: TRAINUS1

Edit the details of the access right .

Save **Count Equipment** **Done**

Description of Access Right

Access Right ID (Assigned from inter-company): 975146

* **Description:** Sold AARX 8885 to AARE

Timeframe of Authority

* **Effective Date:** 06/07/2021

* **Expiration Date:** 12/31/9999

Range of Equipment

All Equipment:

SCAC(s):

Initial(s) :

Equipment Group(s) :


Equipment :

Save **Count Equipment** **Done**

Single Restencil Completed

- Enter 'Source Equipment ID'
- Enter 'Target Equipment ID'
- Click 'Validate' to check for any errors
- Click 'Submit'

Restencil Equipment ?

 **Validation succeeded. Click the Submit button to go to the next screen.**

* **Source Equipment ID :**

* **Target Equipment ID :**

Source and target have identical equipment groups : Yes No

Single Restencil Completed

- Ensure all mandatory fields are populated:
 - The 'Owner' field, which is mandatory, requires a new value.
 - Note, AARX 6658 appears as the prior ID.
 - Click 'Validate' to check for any errors.
 - Click 'Submit.'

Restencil Equipment ?

Validate Submit Clear Suspend Cancel

Target Equipment ID : AARE0000004500

Prior Equipment ID : AARX0000006658 Equipment Group : TANK Collapse All Expand All

[General](#) [Weight Dimension Specification Tank Car Components Cost Car Management Train Service Truck Unit Segment Components Brake System Components Miscellaneous Inspection Default Presentation Group](#)

General

| Element Name | ID | Flag | Source | Del | Value | En |
|---------------------------|------|------|------------|-----|------------------|----|
| Status Code | USCD | ● | A | 🗑️ | P - PRE-REGISTEF | |
| Mechanical Designation | UMMD | ● ▲ | T | 🗑️ | T - Tank | |
| Equipment Type Code | UMET | | T054 | | | |
| Maint of Way Service Type | B403 | | | 🗑️ | | |
| Built Date | BLDT | ● 🗓️ | 05/02/2011 | 🗑️ | 05/02/2011 | |
| Tank Built Date | A298 | | | 🗑️ | | |
| Orig Cert of Constr Nbr | A183 | ● | A896005A | 🗑️ | A896005A | |
| Rebuilt / ILS Date | RBDT | | | 🗑️ | | |
| Owner | UMOW | ● | | 🗑️ | | |
| Lessee | LESE | | | 🗑️ | | |
| Maintenance Party | MNPT | | | 🗑️ | | |
| Mark Owner Category | B201 | | B | | | |
| Prior Equipment ID | PRID | | | | AARX0000006658 | |

Restencil Equipment

✔ Equipment Add transaction validation was successful

Validate Submit Reset Clear Suspend Cancel

Single Restencil Completed

- Success page is displayed
- Inspections carried forward to the new Equipment ID
- Status of Prior ID was not changed
- Click 'Done'

Equipment updates submitted to the system

Success

All updates were successfully applied to the system

Equipment transactions submitted : 1
Successful equipment transactions : 1
Partially successful transactions : 0
Failed equipment transactions (Notices) : 0

Inspections transactions submitted : 0
Successful Inspection transactions : 0
Failed Inspection transactions (Notices) : 0

Equipment with errors on the current record (Conflicts) : 0

Target Equipment ID

Restencil transaction results


Inspections that were successfully carried forward

Inspections that failed carry forward

Done

Restencil / Transfer Equipment

- Complete Restencil Equipment Request and submit to CSC@Railinc.com.
 - The form is available on Railinc.com on the Umler Resources page.
- One or more of the following forms of approval is required:
 - Signed bill of sale (legal document) including the list of unit(s) on an Excel spreadsheet
 - Email from the prior mark owner, new mark owner and/or car owner indicating Railinc can proceed with restencil
- Please refer to Railinc Price List for any applicable fees.*



Old Cars (From)

New Cars (To)

Mark: _____

Total # of units: _____

Owner Field: _____

Lessee Field: _____

Are units in the spreadsheet same equip group?

EXCEL SPREADSHEET:
4 COLUMNS-OLD MARK/OLD NUMBER/NEW MARK/NEW NUMBER
Example:

| OLD MARK | OLD NUMBER | NEW MARK | NEW NUMBER |
|----------|------------|----------|------------|
| ABCD | 100000 | DEFG | 100000 |
| ABCD | 100001 | DEFG | 100001 |
| ABCD | 100002 | DEFG | 100002 |
| ABCD | 100003 | DEFG | 100003 |

Mark: _____

Bill to: _____

Company: _____

Contact: _____

Address: _____

City, State: _____

Zip/Country: _____

Telephone: _____

Fax: _____

E-Mail: _____

RAILINC USE ONLY

Notes

Rapid Case (s) # _____

Data Transfer Completed By:

Initials: _____

Date: _____

Invoice:

Invoice Amount: _____

Date: _____

Customer #: _____

Additional Restencil Reminders



- Equipment cannot be in conflict at the time of restencil unless it is an informational conflict only.
- Only active or inactive equipment can be restenciled.
- After the restencil and clone process, the initial status of a car should be pre-registered.
- After the restencil has been performed in Umler, the equipment can remain in pre-registered status for 13 months.
- A pre-registered car will automatically have its status changed to active for the initial change when three movements on the car are detected.
- If the status changes to active due to movement and the car was created from a restencil, the prior equipment ID (PRID) or source car will have its status changed to inactive automatically by Umler.
 - Two equipment IDs cannot be active with the same EIN.
- Restenciled equipment must share the same built date and EIN.
- Inspections and component CIDs carry forward on restenciled equipment.

Conflict Management

- On the Umler homepage, there are four conflict management links on the top right side of page:
 - Equipment Units in Conflict
 - Equipment with Component ID Conflicts
 - Download Equipment In Conflict
 - Equipment Validation Requests
- Conflicts not addressed may result in cars being restricted at interchange.

Equipment units in conflict : 69

Download Equipment in Conflict

Equipment with component ID conflicts : 3

Equipment Validation Requests

Equipment Units in Conflict

- Click 'Equipment units in conflict.'
- Click the Equipment ID to open record.
- Click 'Equipment is in conflict, click to view.'

Equipment units in conflict : 42

Equipment Query Results

| Select All / Unselect All <input type="checkbox"/> | <u>Equipment Id</u> | <u>Pool Number</u> | <u>Equipment Group</u> | <u>Equipment Type Code</u> | <u>Mechanical Designation</u> | <u>Stencile</u> |
|--|---|--------------------|------------------------|----------------------------|-------------------------------|-----------------|
| <input type="checkbox"/> | RAIL 5  | 0000000 | TANK | T178 | T | RAIL |
| <input type="checkbox"/> | RAIL 58  | 0000000 | BOXC | R300 | RB | RAIL |
| <input type="checkbox"/> | RAIL 1010  | 0000000 | BOXC | A403 | XP | RAIL |

Equipment Units in Conflict

- Conflict error message is displayed in red:
 - “Reflectorization is mandatory for all equipment after November 28, 2015.”

Display Unit

Lookup Lookup Result

Equipment is in conflict. click to view.

Collapse All **Expand All** Equipment ID: RAIL0000001010 Equipment Group: BOXC Stencile

Show database values: Flat View: [Equip PDF](#) [Equipment](#)

[General](#) [Weight](#) [Dimension](#) [Door](#) [Specification](#) [Feature](#) [Cost](#) [Car_Management](#) [Train_Service](#) [Truck_Components](#) [Draft](#)

| | |
|---------------------------|----------------------|
| Slack Adjuster Group | B538 |
| Brake Cylinder Mount Type | B540 |
| Equipment Builder | A035 |
| Builder Lot Code | B030 |
| Built Country | B031 |
| Rebuilt Country | B170 |
| FRA Reflectorization | B096 |
| Refrig Emission Code | B345 |

Reflectorization is mandatory for all equipment after November 28, 2015

Download Equipment in Conflict

- Click the link from the Umler home page and the file will begin to download

Equipment units in conflict : 69

Download Equipment in Conflict 

Equipment with component ID conflicts : 3

Equipment Validation Requests

| | A | B | C | D | E | F | G | H | I | J | K | L | M | |
|---|----------------|-------------|------------------------|---------------------------|------------------------------|------------|---------------|----------------|--------------|-----------------|-----------------|-----------------|---------------|--------------------------------------|
| 1 | Equipment Id | Status Code | Mechanical Designation | Date of Original Conflict | Element Name | Element ID | Element Value | Component Type | Component ID | Component Locat | Parent Componer | Parent Componer | Response Code | Error Message |
| 2 | AARE0000000003 | I | D | 20141211 | Max Piston | L001 | | E | BASE | 1 | | | | 6 A mandatory field was not entered. |
| 3 | AARE0000000003 | I | D | 20141211 | Periodic Inspection Interval | L020 | | E | BASE | 1 | | | | 6 A mandatory field was not entered. |
| 4 | AARE0000000003 | I | D | 20141211 | Air Flow Meter | B528 | | E | BASE | 1 | | | | 6 A mandatory field was not entered. |
| 5 | AARE0000000003 | I | D | 20141211 | Max Piston | L001 | | E | BASE | 1 | | | | 6 A mandatory field was not entered. |
| 6 | AARE0000000003 | I | D | 20141211 | Periodic Inspection Interval | L020 | | E | BASE | 1 | | | | 6 A mandatory field was not entered. |

Configure Ticklers

- This function can be used to specify email addresses that should receive notifications for specific Umler events as selected by the user.
- Only Umler Company Administrators have access to enroll subscribers.

The screenshot shows the RAILINC Umler system interface. At the top, there is a logo for RAILINC and the text 'Umler'. Below this is a navigation menu with options: Home, Query, Maintenance, Upload / Download, Account Administration, and Contact Us. The 'Account Administration' menu is expanded, showing options: Security Management, Configure Ticklers (highlighted), and Usage Statistics. Below the navigation is a welcome message: 'Welcome to the Umler® System'. At the bottom of the page, there is a table titled 'Configure Ticklers' with the following data:

| Enabled | Event Code | Event | E-Mail Address |
|-------------------------------------|------------|---|-------------------------------------|
| <input type="checkbox"/> | 110 | Warnings prior to deleting an idle pool header. | |
| <input type="checkbox"/> | 120 | Equipment is dropped from a pool due to an update to equipment characteristic. | |
| <input type="checkbox"/> | 121 | Maintenance Party updated for equipment. | |
| <input type="checkbox"/> | 130 | A pool assignment reported by a non-owner fails. | |
| <input checked="" type="checkbox"/> | 190 | A bulk upload by your company completes processing. (The notice contains the processing results for the uploaded transactions.) | umlerproductsupport@railinc.com,uml |
| <input checked="" type="checkbox"/> | 200 | Another company grants an inter-company access right to your company. | tavori.mues@railinc.com |
| <input checked="" type="checkbox"/> | 210 | Another company revokes an inter-company access right from your company. | tavori.mues@railinc.com |
| <input checked="" type="checkbox"/> | 220 | Another company accepts an inter-company access right granted by your company. | tavori.mues@railinc.com |
| <input checked="" type="checkbox"/> | 230 | Another company declines an inter-company access right granted by your company. | tavori.mues@railinc.com |

Alternative Umler Maintenance Options



- Bulk Upload



TRAINUS1 : RAIL - RAILINC CORPORATION

- Home
- Query
- Maintenance
- Upload / Download
- Account Administration
- Contact List
- Component Registry
- Help
- References

Upload Umler Transactions

IMPORTANT NOTE: Umler allows comma delimited file uploads for various transactions. Each transaction type has a defined set of parameters specific to that transaction type. This option is intended for the advanced user, who must have access to perform this function by the company administrator. It is advised that you first test upload formats that you create in the test environment before attempting to use them in the Production environment. For additional instructions, contact our support group at csc@railinc.com and you may also reference the [Bulk Upload Transactions CSV File Specifications](#).

To upload Umler transactions in CSV format:

1. Select the Browse button.
2. Select the appropriate directory.
3. Select the correct file.
4. Select Open.
5. Select Upload.

Choose File No file chosen

Upload Cancel

- Web Services

- A system-to-system communication via real-time transactional integration.
- See Railinc Price List for information on setup and fees.

Umler Billing



• Umler Semi-Annual Fee

- Invoices are based on equipment registered in the Umler file under your assigned reporting marks effective on the first of January and July each year.
- For Umler maintenance billing, owners will receive two invoices: one in February and one in August.
- It is the responsibility of each owner or their agent to maintain the accuracy of their Umler registration with respect to their fleet.
- There are no retroactive adjustments. All adjustments made to the file after January 1st will be reflected in the August invoice.

• AAR Technical User Fee

- AAR fee
- Administered by Railinc
- Annual fee billed twice a year. Once in January and July
- Based on January 1 car counts registered in Umler under the mark in the Umler owner field

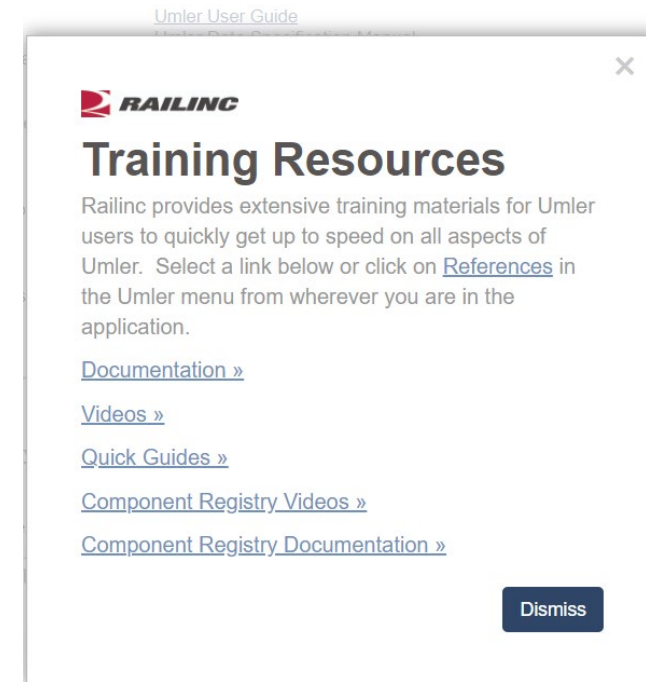
User Guide and Data Specification Manual



- Access Umler User Guide and DSM from homepage
- Select 'References' tab for Umler reference materials
- Helpful tips and tools are available when using Umler

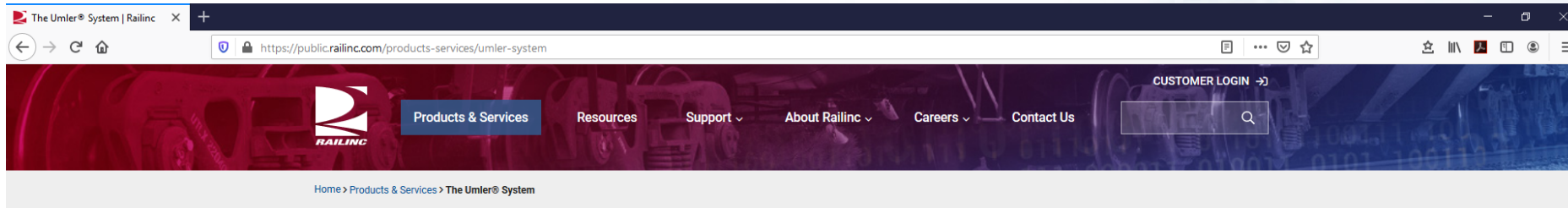


[Umler User Guide](#)
[Umler Data Specification Manual](#)
[Umler Change Request Form](#)
[Component Registry User Guide](#)
[Component Registry Data Specification Manual](#)
[Umler Training Resources](#)



Access Additional Umler Resources

Go to www.railinc.com



The Umler® System

Umler® is the source of critical data for more than two million pieces of North American rail, steamship, and highway equipment.

The Umler system provides secure access for equipment management and reporting tools, helping equipment owners provide high-quality data to logistics partners and customers.

The system identifies internal and external dimensions, capacities, weight information, and other specific characteristics of freight cars—as well as intermodal trailers and containers. It also serves as the base file for other standard industry equipment reference and management systems.

Railroads, equipment owners, agents, shippers, ports, suppliers, industry consultants, government agencies, and railcar service providers use Umler for the safe and efficient placement, movement, and interchange of railcars.

Umler also includes these enhanced functions:

- **Umler Change Request Form:** Provide details for all Umler system changes, including new elements, permissible values and business rules. Complete the form and email it to csc@railinc.com.
- **Component Registry:** Register certain railcar components and associate them with equipment for greater visibility into equipment health.
- **Conflict Management:** Identify equipment records in conflict, with supporting processes to resolve issues. Error messages identify changes that must be made to correct invalid equipment data.
- **Equipment Cloning:** Create single or multiple equipment records using an existing railcar as a template. Minimal changes reduce the time required to build new fleets in Umler.
- **Equipment Lineage:** Track ownership and equipment changes throughout its history, including inspections and equipment modifications.
- **Equipment Status:** Track active, inactive, and pre-registered rail assets to get accurate fleet size and makeup.
- **Locomotive Inspection and Repair Report:** The “Blue Card” tracks FRA locomotive inspections in this [downloadable spreadsheet](#).
- **Notice Management and Ticklers:** Alerts and logs help users stay on top of equipment changes and issues.
- **Query Data:** Provides immediate online reports, including self-service data query tools and custom reports with

Related Support Documents

- [Railinc SSO Sign-On User Guide](#)
- [TRAIN II User Guide](#)
- [Locomotive Inspection and Repair Report](#)
- [Umler Restencil Request to Transfer Equipment Form](#)
- [Umler User Guide](#)
- [Umler Data Specifications Manual](#)
- [Umler FAQs](#)
- [Umler CSV Upload Specifications](#)
- [Umler Components Diagram](#)
- [Umler Managing Access Rights Quick Guide](#)
- [Umler Querying Equipment Quick Guide](#)
- [Umler Querying Transaction Logs Quick Guide](#)
- [Umler Querying Inspection History Quick Guide](#)
- [Umler Querying Historical Lineage Quick Guide](#)
- [Umler Adding Equipment Quick Guide](#)
- [Umler Cloning Equipment Quick Guide](#)
- [Umler Modifying Equipment Quick Guide](#)
- [Umler Equip Valid Request Quick Guide](#)

What's Upcoming for Umler



- Umler Company Administrator-Focused – November 15th & 17th
- Q4 2022 Umler Release – December 8th
- Umler: New Look & Feel – 2023

Umler: New Look & Feel



Welcome to the Umler® System

The Railinc Umler® system is the mission-critical source for reliable rail equipment data. The Umler equipment registry contains the physical characteristics, inspection history, transportation management and pool assignments of nearly two million pieces of rail equipment in North America. This registry is the base file for other industry reference files and industry equipment accounting files.

The Umler system provides rail carriers, equipment owners and shippers with real-time access to detailed equipment data, providing for the safe movement of traffic and smooth interchange of shipments between carriers. Umler allows the rail industry to provide customers with the right pieces of equipment for their shipment.

The Umler system enables better communication and collaboration among rail partners for enhanced asset management and improved rail safety.

Use Spanish for error messages and form labels

Release Docs

- [Umler User Guide](#)
- [Umler Data Specification Manual](#)
- [Umler Change Request Form](#)
- [Component Registry User Guide](#)
- [Component Registry Data Specification Manual](#)

Umler Contacts for RAIL

External users are not currently provided Umler contacts for RAIL when searching Findus.Rail. Providing contacts in Findus.Rail makes it easy for the rail industry to contact your company.

Umler Company Administrator(s) for RAIL Equipment, Pool, and Inspection Rights:

- [Ashley DeLello](#)
- [Umler Company Admin](#)
- [Alexandra Sciacca](#)

To search for contacts at other companies [click here](#)

Equipment

Single Equipment Search

Search

Equipment units in conflict: 305

[Download Equipment in Conflict](#)

Equipment with component ID conflicts: 80

[Equipment Validation Requests: 520](#)

Railinc Customer Success Center

csc@railinc.com

877-724-5462



Railinc Keeps You Moving.

Terry Caulfield

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Email: csc@railinc.com

