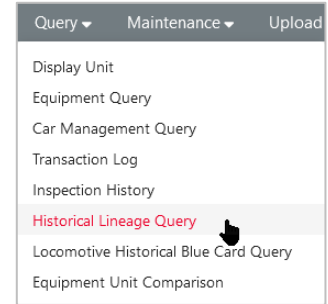Railinc's Umler system provides a way for users to query the lineage of a piece of rail equipment. Anyone with "Umler Access for Query" permissions can perform this query. See **Additional Resources** below.

Use this procedure to query the historical lineage of a piece of equipment:

1. Sign in to Launch Pad and navigate to **Umler**.

2. From the Umler menu bar, select **Query > Historical Lineage Query**.

3. On the Historical Lineage Query screen, enter either a *single* **Equipment ID** or a *single* **EIN**. If you enter both an Equipment ID and an EIN, the system searches for the Equipment ID only.

4. On the Historical Lineage Query Results screen, review the equipment information. Here are some tips about the results:

   • Typically, sorting results by **Effective Date** is most useful.

   • Selecting the **EIN** or **Equipment ID** link causes another historical lineage query to run with the selected value.

Historical Lineage Query Results

Search Criteria   Search Results

13 items found, displaying all items.

⊠ Clear Filters

EIN	Equipment ID	Prior Equip...	Equip Group	ETC	MD	Built Date	Rebuilt Date	Effective Date	Status	Expiration Date	Most Recent	Conflict	Action
0010536781	RAIL6100		BOXC	A403	XP	02/24/2010		2023-02-02 02:33:42.753	Active	9999-12-31 00:00:00.0	Y		OTHER
0010536781	RAIL6100		BOXC	A403	XP	02/24/2010		2022-05-05 08:30:21.597	Inactive	2023-02-02 02:33:42.75			OTHER
0010536781	RAIL6100		BOXC	A403	XP	02/24/2010		2022-03-17 10:11:16.351	Active	2022-05-05 08:30:21.596			OTHER
0010536781	RAIL6100		BOXC	A403	XP	02/24/2010		2022-02-25 08:35:24.025	Pre-Registered	2022-03-17 10:11:16.35			Add Multiple ...
0009976857	RAIL6100	RAIL2500	HOPP	K384	HMA	01/01/1992		2016-01-20 09:53:10.973	Deleted	9999-12-31 00:00:00.0			Delete
0009976857	RAIL2500		HOPP	K384	HMA	01/01/1992		2016-01-20 09:52:28.638	Deleted	9999-12-31 00:00:00.0	Y		Delete
0009976857	RAIL6100	RAIL2500	HOPP	K384	HMA	01/01/1992		2014-12-09 08:42:59.337	Pre-Registered	2016-01-20 09:53:10.972			Add Restencile
0009976857	RAIL2500		HOPP	K384	HMA	01/01/1992		2014-12-09 08:42:38.613	Active	2016-01-20 09:52:28.624			OTHER

• Only equipment owners can see confidential data values, otherwise the value is marked "Confidential".

• **Equipment Group**, **ETC** (Equipment Type Code), **MD** (Mechanical Designation), **Built Date**, and **Rebuilt Date** are pulled from the Umler record *at the time of the transaction*.

• **Effective Date** shows when the action occurred.

• **Status** indicates the equipment's status at the time between the Effective and Expiration Dates.

• **Expiration Date** shows when that row was no longer in its indicated status. The Expiration Date is set when a more-recent transaction for that EIN occurs, causing the status of that Equipment ID to change. Expiration Date value "9999-12-31" indicates the current status for that specific Equipment ID.

• **Most Recent** value "Y" indicates the EIN's most-current status. This is only displayed on equipment with a status of Active, Inactive or Deleted.

• A **Conflict** value indicates that the equipment's lineage is not following business rules. For example, when two pieces of equipment with the same EIN are in Active status.

• **Action** shows what caused the row to change. Action value "OTHER" indicates a user-generated record update (e.g., changing status or updating the Built Date).

Additional Resources

The following additional resources are available for Company Administrators:

• Consult the *Umler Data Specification Manual* for information data field definitions and business rules.
• Consult the *Single Sign On (SSO) Administrator Guide* for information on how company administrators manage user's permissions in SSO.
• Consult the *Umler Managing Access Rights Quick Guide* for information on how company administrators manage user's access rights.
• Access the Umler Reference Materials to access other essential resources for using the Umler system.

Contact the Railinc Customer Success Center at 1-877-RAILINC (1-877-724-5462) or csc@railinc.com if you need assistance.