

# Umler<sup>®</sup> Component Registry Data Specification Manual



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# Component Registry Elements

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## Bolsters

### BOLSTER\_C007

**Element Name:**

Component Defect Flag

**Data Type:** Text

**Data Length:** 1

**Description:**

Indicates that a component is flagged with a defect. This can only be set by a Railinc Application Administrator.

**Valid Values:**

| Value | Description |
|-------|-------------|
| Y     | Yes         |

### BOLSTER\_C010

**Element Name:**

Component Registration Date

**Data Type:** Text

**Data Length:** 10

**Description:**

Component Registration Date

### BOLSTER\_C401

**Element Name:**

Bolster AAR Foundry Facility Code (●)

**Data Type:** Text

**Data Length:** 4

**Description:**

QA code assigned by AAR that uniquely identifies foundry where bolster was cast.

**Valid Values:**

| Value | Description   |
|-------|---|
| ACCO  | ALLIANCE CASTING COMPANY, Alliance, OH  |
| AMCB  | Amsted Maxion Foundry & Railway Equipment (no longer in production)             |
| AMOB  | Amsted Maxion Funicao E Equipamentos Ferroviarios, SA (no longer in production) |
| ASFA  | ASF Keystone - Alliance (no longer in production)                               |
| ASFG  | AMSTED RAIL COMPANY, Granite City, IL   |
| ASFM  | ASF-K de MEXICO, S.de R.L. de C.V., Sahagun, Hildalgo                           |
| ASFZ  | ZHUZHOU ABC RAIL PRODUCTS CO. Zhuzhou, Hunan                                    |
| BS    | Buckeye Steel Casting (no longer in production)                                 |
| CKDC  | SCB FOUNDRY, A.S., Slevarna Ceske , Budejovice                                  |
| CSCO  | COLUMBUS CASTINGS, Columbus, OH   |

| Value | Description  |
|-------|--|
| DOM   | ABC NACO Dominion (no longer in production)  |
| HDC   | Standard Car Truck Company Calcutta, India (no longer in production)                       |
| JRTC  | JINXI RAILWAY ROLLING STOCK CO., Taiyuan, Shanxi   |
| KSKU  | ASF-Keystone (Kremenchug Ukraine) (no longer in production)                                |
| NCC   | ABC NACO Cicero (no longer in production)  |
| NCMP  | ABC NACO Melrose Park (no longer in production)  |
| PPCR  | ASF-Keystone (Promlit Russia) (no longer in production)                                    |
| QLR   | CSR QISHUYAN LOCOMOTIVE CO., Qishuyan, Changzhou   |
| RSRM  | ROTHBURY STEEL, Rothbury, MI   |
| SCLI  | STEELCAST LIMITED, Bhavnagar, Gujarat  |
| TRZC  | TIANRUI GROUP FOUNDRY CO., Ruzhou City, Henan  |
| TXID  | TEXMACO LTD- STEEL FOUNDRY DIVISION, Belgharia, W. Bengal                                  |
| SMI   | SUMITOMO (no longer in production)   |
| SN    | ABC NACO Sahagun (no longer in production)   |
| SCAW  | SCAW (no longer in production)   |
| 9ABC  | ABC-NACO Sharon (No Longer in Production)  |
| 9ASA  | ASF-Keystone, Bradken, Australia (No Longer in Production)                                 |
| 9ASC  | ASF-Keystone-Chicago Castings Company (No Longer in Production)                            |
| 9ASI  | ASF-Indiana Harbor (No Longer in Production)   |
| 9ASE  | ASF-Keystone, East St. Louis (No Longer in Production)                                     |
| 9BE   | Bucyrus Erie (No Longer in Production)   |
| 9BIR  | Birdsboro Corp (No Longer in Production)   |
| 9BKK  | Bradford Kendall, Kilburn (No Longer in Production)  |
| 9BKR  | Bradford Kendall Runcorn, Bradken (No Longer in Production)                                |
| 9BSC  | British Steel Corp (No Longer in Production)   |
| 9CA   | Construcciones y Auxiliar (No Longer in Production)  |
| 9CB   | Cobrasma (No Longer in Production)   |
| 9CMS  | Comsteel (No Longer in Production)   |
| 9CMT  | Cometna (No Longer in Production)  |
| 9CSF  | Canadian Steel Foundries (No Longer in Production)   |
| 9DOF  | Dofasco Inc (No Longer in Production)  |
| 9DRS  | Dresser Transporations-Symington Wayne/Gould (No Longer in Production)                     |
| 9FNV  | Fabrica Nacional de Vagoes (No Longer in Production)                                       |
| 9HDC  | Standard Car Truck Company , Hindusthan Engineering & Industries (No Longer in Production) |
| 9HNR  | Henricot (No Longer in Production)   |
| 9KSF  | ASF-Keystone, Kremenchug, Ukraine (No Longer in Production)                                |
| 9NIP  | Nippon Sharyo (No Longer in Production)  |
| 9OSC  | Omaha Steel Castings Co. (No Longer in Production)   |
| 9OSF  | Ohio Steel Foundry Co. (No Longer in Production)   |
| 9PIT  | Pittron-Pittsburgh Steel (No Longer in Production)   |
| 9PPR  | ASF-Keystone, Promlit, Russia (No Longer in Production)                                    |
| 9QIQ  | QIQIHAR RAILWAY ROLLING STOCK WORKS Qiqihar, Heilongjiang                                  |
| 9SAR  | South African Railways (No Longer in Production)   |
| 9SBI  | Standard Brass, Iron, and Steel Ltd. Benoni, South Africa (No Longer in Production)        |
| 9SCU  | Scullin (No Longer in Production)  |
| 9SN   | Sidena (No Longer in Production)   |
| 9VUL  | Vulcan (No Longer in Production)   |

**Validation Rules:**

- Facility code is required for new bolsters.

**BOLSTER\_C402****Element Name:**

Bolster Cast Month (●)

**Data Type:** Numeric**Data Length:** 2**Description:**

2-digit month cast on bolster.

**Validation Rules:**

- Bolster cast month must be between 1 and 12.

**BOLSTER\_C403****Element Name:**

AAR Design Feature Code (●)

**Data Type:** Text**Data Length:** 12 (includes 3 dashes)**Description:**

9-digit design code cast into the bolster.

**BOLSTER\_C404****Element Name:**

Bolster AAR ID Code (●)

**Data Type:** Text**Data Length:** 8**Description:**

AAR bolster ID number that is cast into the bolster.

**BOLSTER\_C405****Element Name:**

MFG Pattern Number (●)

**Data Type:** Text**Data Length:** 12**Description:**

Manufacturer pattern number that is cast into the bolster.

**BOLSTER\_C406****Element Name:**

MFG Drawing Number

**Data Type:** Text**Data Length:** 16**Description:**

Manufacturer drawing number that is cast into the bolster.

**Validation Rules:**

- Manufacturers drawing number is required for new bolsters.

**BOLSTER\_C407****Element Name:**

MFG Drawing Number Revision

**Data Type:** Text**Data Length:** 3**Description:**

Manufacturer drawing number revision cast into bolster.

**BOLSTER\_C408****Element Name:**

Bolster Serial Number (●)

**Data Type:** Text**Data Length:** 10**Description:**

Manufacturers serial number cast into bolster.

**BOLSTER\_C409****Element Name:**

Bolster MFG Heat Number

**Data Type:** Text**Data Length:** 10**Description:**

Manufacturers heat number assigned to bolster when it was cast. Newly manufactured bolsters only.

**Validation Rules:**

- Manufacturers heat number is required for new bolsters.

**BOLSTER\_C410****Element Name:**

Bolster MFG Heat Treat Load Number

**Data Type:** Text**Data Length:** 12**Description:**

Manufacturers heat treat load number assigned to Bolster when it was heat treated. Newly manufactured bolsters only.

**Validation Rules:**

- Manufacturers heat treat load number is required for new bolsters.

**BOLSTER\_C411****Element Name:**

Bolster Reconditioner AAR Facility Code

**Data Type:** Text**Data Length:** 4**Description:**

QA code assigned by AAR that uniquely identifies location where bolster was reconditioned.

**Valid Values:**

| Value | Description   |
|-------|---|
| AEPA  | AEP, Alliance, NE   |
| AMIS  | AMERICAN INDUSTRIES, Sharon, PA                                     |
| APS   | ALTOONA RAILCAR REPAIR, Altoona, PA                                 |
| ARC   | ARIZONA RAIL CAR, INC., Tucson, AZ                                  |
| ATSC  | ALSTOM TRANSPORT SERVICE CALGARY, Calgary, AB                       |
| BNN   | BNSF RAILWAY, Lincoln, NE   |
| BRS   | BRC RAIL CAR SERVICE CO., Lynchburg, VA                             |
| CGMQ  | GATX RAIL CANADA CORPORATION, Montreal, QC                          |
| CGRD  | GATX RAIL CANADA CORPORATION, Red Deer, Alberta                     |
| CNW   | CN TRANSCONA MAIN SHOPS, Winnipeg, MB                               |
| COMM  | COMET RAIL PRODUCTS, INC., Kansas City, MO                          |
| CTI   | CALTRAX CORPORATION, Calgary, Alberta                               |
| DLG   | DLG INDUSTRIAS, S.A. DE C.V., Pesqueria, Nuevo Leon                 |
| DRE   | DONOHUE RAILROAD EQUIPMENT CO., Darlington, PA                      |
| EFDN  | EQUIPOS FERROVIARIOS DEL NORTE S.A. de C.V., Gomez Palacio, Durango |
| EFDS  | EQUIPOS FERROVIARIOS DEL SURESTE, S.A. de C.V., LaGranja, Veracruz  |
| ELS   | ESCANABA & LAKE SUPERIOR RAILROAD, Escanaba, MI                     |
| ERSN  | EBENEZER RAILCAR SERVICES, West Seneca, NY                          |
| FCRB  | FREIGHTCAR RAIL SERVICES, Chesterton, IN                            |
| FCRC  | FREIGHTCAR RAIL SERVICES, Clinton, IN                               |
| FCRG  | FREIGHTCAR RAIL SERVICES, Grand Island, NE                          |
| FCRH  | FREIGHTCAR RAIL SERVICES, Hastings, NE                              |
| FCRW  | FREIGHTCAR RAIL SERVICES, Wheatfield, IN                            |
| FRCO  | WATCO MECHANICAL SERVICES, Omaha, NE                                |
| GCP   | GREENBRIER CASTINGS - PEORIA, IL                                    |
| GELS  | GETS LOCOMOTIVE SERVICES NORESTE, S.A. de C.V.                      |

| Value | Description  |
|-------|--|
| GERS  | GE RAILCAR REPAIR SERVICE COMPANY, Regina, Saskatchewan          |
| GESP  | GE RAILCAR REPAIR, Sayre, PA                                     |
| GRAK  | GREENBRIER RAIL SERVICES - ATCHISON, KS                          |
| GRSC  | GREENBRIER RAIL SERVICES - Chehalis, WA                          |
| GRSD  | GREENBRIER RAIL SERVICES - DOTHAN, AL                            |
| GRSF  | GREENBRIER RAIL SERVICES - FINLEY, WA                            |
| GRSH  | GREENBRIER RAIL SERVICES - HODGE, LA                             |
| GRSO  | GREENBRIER RAIL SERVICES - Omaha, NE                             |
| GRST  | GREENBRIER RAIL SERVICES - Tucson, AZ                            |
| GRTK  | GREENBRIER RAIL SERVICES - Topeka, KS                            |
| GSW   | GREENBRIER RAIL SERVICES - CLEBURNE, TX                          |
| GUN   | GUNDERSON, Portland, OR  |
| GUNS  | GREENBRIER RAIL SERVICES - Springfield, OR                       |
| HCFC  | HERZOG RAILROAD SERVICES, Falls City, NE                         |
| HCSJ  | HERZOG RAILROAD SERVICES, St. Joseph, MO                         |
| ICDI  | ILLINI CASTINGS, Danville, IL                                    |
| KRRM  | KIMBALL RAILCAR SERVICES, Kimball, MN                            |
| LCDM  | LINEA COAHUILA DURANGO S.A. DE C.V.                              |
| LRS   | LIBERTY RAILWAY SERVICES, Pueblo West, CO                        |
| LSLP  | LOCOMOTORAS SAN LUIS, S.A. DE C.V.                               |
| MEI   | METRO EAST INDUSTRIES, Fairview Heights, IL                      |
| MMA   | MONTREAL MAINE AND ATLANTIC RAILWAY, Derby, ME                   |
| MMRS  | MEXICO MERIDIAN RAIL SERVICES, S.A. DE C.V.                      |
| MRC   | WATCO MECHANICAL SERVICES, Council Bluffs, IA                    |
| MRJ   | WATCO MECHANICAL SERVICES, Junction City, KS                     |
| MRN   | WATCO MECHANICAL SERVICES, Neodesha, KS                          |
| MRS   | WATCO MECHANICAL SERVICES, Scottsville, TX                       |
| MRT   | WATCO MECHANICAL SERVICES, Hockley, TX                           |
| MRW   | WATCO MECHANICAL SERVICES, Wood River, IL                        |
| MRZ   | WATCO MECHANICAL SERVICES, Zwolle, LA                            |
| MWR   | MIDWEST RAILCAR REPAIR, Brandon, SD                              |
| ON    | ONTARIO NORTHLAND TRANSPORTATION COMMISSION, North Bay, ON       |
| OVR   | OHIO VALLEY RAILCAR CORPORATION, Wheatland, PA                   |
| PRAN  | PROGRESS RAIL SERVICES, Alliance, NE                             |
| PRAT  | PROGRESS RAIL SERVICES (Formerly Amarillo Railcar), Amarillo, TX |
| PRBA  | PROGRESS RAIL SERVICES, Boaz, AL                                 |
| PRCK  | PROGRESS RAIL SERVICES, Corbin, KY                               |
| PRDK  | PROGRESS RAIL SERVICES, Covington, KY                            |
| PRE   | PROCOR LIMITED, Edmonton, Alberta                                |
| PRJA  | PROCOR, LIMITED, Joffre, Alberta                                 |
| PRNN  | PROGRESS RAIL SERVICES, Northport, NE                            |
| PRPW  | PROGRESS RAIL SERVICES, Portage, WI                              |
| PRR   | PROCOR LIMITED, Regina, SK                                       |
| PRRW  | PROGRESS RAIL SERVICES, Rock Springs, WY                         |
| PRS   | PROCOR LIMITED, Sarnia, Ontario                                  |
| PRSN  | PROGRESS RAIL SERVICE, Sidney, NE                                |
| PRTX  | PROGRESS RAIL SERVICES, Waskom, TX                               |
| PRWB  | PROGRESS RAIL SERVICES, Bill, WY                                 |
| PRWW  | PROGRESS RAIL TRANSCANADA CORP., Winnipeg, Manitoba              |
| RI    | RAILWAY & INDUSTRIAL SERVICES, Joliet, IL                        |
| RJRM  | AMERICAN INDUSTRIES - MIDWEST, Independence, MO                  |
| SFPE  | PROGRESS RAIL SERVICES DE MEXICO S.A. DE C.V.                    |
| SRCO  | SEABOARD RAILCAR REPAIR AND CLEANING, Hugo, OK                   |
| SRSV  | SAFETY RAILWAY SERVICE, Victoria, TX                             |
| SRSX  | SOUTHEASTERN RAILWAY SERVICES, Magnolia, MS                      |
| STR   | SPRINGFIELD TERMINAL RAILWAY COMPANY, Waterville, ME             |
| TERG  | TALLERES DE EQUIPO RODANTE DEL BAJIO, S.A.                       |

| Value | Description  |
|-------|--|
| TETX  | TEXANA TANK CAR & MFG., Nash, TX                                     |
| TIVT  | TRINITY RAILCAR REPAIR, INC., Vidor, TX                              |
| TRAL  | TRANSCO RAILWAY PRODUCTS, Logansport, IN                             |
| TRAM  | TRANSCO RAILWAY PRODUCTS, Miles City, MT                             |
| TRAO  | TRANSCO RAILWAY PRODUCTS, Oelwein, IA                                |
| TTCO  | TTX COMPANY, WESTERN REPAIR AND RECONDITIONING CENTER, Mira Loma, CA |
| TTHD  | TTX COMPANY-HAMBURG DIVISION, North Augusta, SC                      |
| UTCW  | UNION TANK CAR COMPANY, Evanston, WY                                 |
| WAT   | WATCO MECHANICAL SERVICES, Coffeyville, KS                           |
| WATH  | WATCO MECHANICAL SERVICES, Houston, TX                               |
| WATJ  | WATCO MECHANICAL SERVICES, Jacksonville, FL                          |
| WATP  | WATCO MECHANICAL SERVICES, Pittsburg, KS                             |

**Validation Rules:**

- Reconditioned facility is required for reconditioned bolsters.

---

### BOLSTER\_C413

**Element Name:**

Bolster Classification Date

**Data Type:** Date

**Data Length:** 10

**Description:**

Date bolster was classified. In MM-DD-CCYY format.

**Validation Rules:**

- Bolster reconditioned date can't be after today.
- Reconditioned date is required for reconditioned bolsters.

---

### BOLSTER\_C414

**Element Name:**

Bolster Condition Code (●)

**Data Type:** Text

**Data Length:** 1

**Description:**

Bolster condition code - new, secondhand, or reconditioned.

**Valid Values:**

| Value | Description |
|-------|-------------|
| 1     | New         |

| Value | Description   |
|-------|---------------|
| 2     | Secondhand    |
| 3     | Reconditioned |

---

### BOLSTER\_C415

**Element Name:**

Pocket Wear Plate Installed

**Data Type:** Text

**Data Length:** 1

**Description:**

Indicates that a pocket wear plate was installed.

**Valid Values:**

| Value | Description |
|-------|-------------|
| Y     | Yes         |
| N     | No          |

---

### BOLSTER\_C416

**Element Name:**

Converted Bolster

**Data Type:** Text

**Data Length:** 1

**Description:**

Indicates that a bolster was converted to another 9-digit code by reconditioner.

**Valid Values:**

| Value | Description |
|-------|-------------|
| Y     | Yes         |
| N     | No          |

---

### BOLSTER\_C417

**Element Name:**

Bolster Cast Year (●)

**Data Type:** Numeric

**Data Length:** 2

**Description:**

Year cast on bolster. In YY format.



## Brake Valve Control Emergency

### EMERVALVE\_C007

**Element Name:**

Component Defect Flag

**Data Type:** Text

**Data Length:** 1

**Description:**

Indicates that a component is flagged with a defect. This can only be set by a Railinc Application Administrator.

**Valid Values:**

| Value | Description |
|-------|-------------|
| Y     | Yes         |

### EMERVALVE\_C010

**Element Name:**

Component Registration Date

**Data Type:** Text

**Data Length:** 10

**Description:**

Component Registration Date

### EMERVALVE\_C701

**Element Name:**

Condition Code (●)

**Data Type:** Text

**Data Length:** 1

**Description:**

New or Reconditioned Emergency Brake Valve Component.

**Valid Values:**

| Value | Description   |
|-------|---------------|
| 1     | New           |
| 3     | Reconditioned |

### EMERVALVE\_C702

**Element Name:**

AAR OEM/Recon Facility Code (●)

**Data Type:** Text

**Data Length:** 12

**Description:**

QA Code for OEM/Reconditioner of an Emergency Brake Valve.

**Valid Values:**

| Value | Description  |
|-------|--|
| BNND  | BNSF Locomotive Airbrake Shop, Lincoln, NE USA                                   |
| CNW   | CN TRANSCONA MAIN SHOPS, Winnipeg, MB Canada                                     |
| EN    | ELLCON NATIONAL, Greenville, SC U.S.A.   |
| GMW   | GRAHAM-WHITE MANUFACTURING COMPANY, Salem, VA USA                                |
| GMWS  | GRAHAM-WHITE MANUFACTURING COMPANY, Shreveport, LA                               |
| GMWW  | GRAHAM-WHITE WEST, Carson City, NV   |
| LAB   | LIONEL A.B. INC., Longueuil, QC Canada   |
| LI    | LONG ISLAND RAILROAD, Hollis, NY USA   |
| MMRS  | MEXICO MERIDIAN RAIL SERVICES, S.A. DE C.V., Tlalnepantla, Edo. de Mexico Mexico |
| MSS   | MULTI SERVICE SUPPLY DIVISION, Leetsdale, PA USA                                 |
| NYCT  | NEW YORK CITY TRANSIT AUTHORITY, Brooklyn, NY USA                                |
| NYKC  | NEW YORK AIR BRAKE, Riverside, MO USA  |
| NYNY  | NEW YORK AIR BRAKE CO., Watertown, NY USA  |
| NYON  | NEW YORK AIR BRAKE CO., Kingston, ON Canada                                      |
| ON    | ONTARIO NORTHLAND TRANSPORTATION COMMISSION, North Bay, ON Canada                |
| PAB   | PITTSBURGH AIR BRAKE CO., Carnegie, PA USA                                       |
| PYSC  | PRODUCTOS Y SERVICIOS DEL CENTRO, S.A. DE C.V., San Luis Potosi, SLP Mexico      |
| RRIV  | RED RIVER AIR BRAKE, Winnipeg, MB Canada   |
| SFM   | SERVICIOS FERROVIARIOS DE NORTE AMERICA, Monterrey, Mexico                       |
| STR   | SPRINGFIELD TERMINAL RAILWAY COMPANY, Waterville, ME USA                         |
| WABM  | WABTEC DE MEXICO, San Luis Potosi, SLP Mexico                                    |
| WACA  | WABTEC GLOBAL SERVICE CENTERS, Carson City, NV USA                               |
| WAHO  | WABCO FREIGHT CAR PRODUCTS, Hamilton, ON Canada                                  |
| WAIL  | WABTEC SERVICE CENTERS, Chicago, IL USA  |
| WAKS  | WABTEC GLOBAL SERVICE CENTERS, Kansas City, MO USA                               |
| WAPQ  | WABTEC GLOBAL SERVICE CENTERS, WABTEC, CORP., Lachine, PQ Canada                 |
| WASC  | WABTEC GLOBAL SERVICE CENTERS, Columbia, SC USA                                  |
| WAWP  | WABCO LOCOMOTIVE PRODUCTS, Wilmerding, PA USA                                    |

### EMERVALVE\_C703

**Element Name:**

Date Valve Tested (●)

**Data Type:** Date

**Data Length:** 10

**Description:**

The date the emergency brake valve was tested after manufacturing or reconditioning.

**EMERVALVE\_C704****Element Name:**

Serial Number

**Data Type:** Text**Data Length:** 15**Description:**

Brake Valve Emergency MFG Serial Number.

**EMERVALVE\_C705****Element Name:**

Part Number (●)

**Data Type:** Text**Data Length:** 12**Description:**

Brake Valve Emergency MFG Part Number.

**EMERVALVE\_C706****Element Name:**

MFG Configuration Code (●)

**Data Type:** Text**Data Length:** 6**Description:**

Identifies configuration control of the emergency brake valve specific to the manufacturer.

**EMERVALVE\_C707****Element Name:**

Valve Type (●)

**Data Type:** Text**Data Length:** 10**Description:**

Brake Valve Emergency Valve Type.

**Valid Values:**

| Value   | Description       |
|---------|-------------------|
| ABD     | ABD-Emergency     |
| ABDS    | ABDS-Emergency    |
| ABDW    | ABDW-Emergency    |
| ABDWS   | ABDWS-Emergency   |
| ABDW-2  | ABDW-2-Emergency  |
| ABDX    | ABDX-Emergency    |
| ABDXR   | ABDXR-Emergency   |
| DB-20   | DB-20-Emergency   |
| ABDX-L  | ABDX-L-Emergency  |
| ABDXR-L | ABDXR-L-Emergency |
| DB-20-L | DB-20-L-Emergency |

## Brake Valve Control Service

### SERVVALVE\_C007

**Element Name:**

Component Defect Flag

**Data Type:** Text

**Data Length:** 1

**Description:**

Indicates that a component is flagged with a defect. This can only be set by a Railinc Application Administrator.

**Valid Values:**

| Value | Description |
|-------|-------------|
| Y     | Yes         |

### SERVVALVE\_C010

**Element Name:**

Component Registration Date

**Data Type:** Text

**Data Length:** 10

**Description:**

Component Registration Date

### SERVVALVE\_C801

**Element Name:**

Condition Code (●)

**Data Type:** Text

**Data Length:** 1

**Description:**

New or Reconditioned Service Brake Valve Component.

**Valid Values:**

| Value | Description   |
|-------|---------------|
| 1     | New           |
| 3     | Reconditioned |

### SERVVALVE\_C802

**Element Name:**

AAR OEM/Recon Facility Code (●)

**Data Type:** Text

**Data Length:** 12

**Description:**

QA Code for OEM/Reconditioner of a Service Brake Valve.

**Valid Values:**

| Value | Description  |
|-------|--|
| BNND  | BNSF Locomotive Airbrake Shop, Lincoln, NE USA                                 |
| CNW   | CN TRANSCONA MAIN SHOPS, Winnipeg,MB Canada                                    |
| EN    | ELLCON NATIONAL, Greenville, SC U.S.A.   |
| GMW   | GRAHAM-WHITE MANUFACTURING COMPANY, Salem,VA USA                               |
| GMWS  | GRAHAM-WHITE MANUFACTURING COMPANY, Shreveport,LA                              |
| GMWW  | GRAHAM-WHITE WEST, Carson City,NV  |
| LAB   | LIONEL A.B. INC., Longueuil,QC Canada  |
| LI    | LONG ISLAND RAILROAD, Hollis,NY USA  |
| MMRS  | MEXICO MERIDIAN RAIL SERVICES, S.A. DE C.V., Tlalnepantla,Edo.de Mexico Mexico |
| MSS   | MULTI SERVICE SUPPLY DIVISION, Leetsdale,PA USA                                |
| NYCT  | NEW YORK CITY TRANSIT AUTHORITY, Brooklyn, NY USA                              |
| NYKC  | NEW YORK AIR BRAKE, Riverside,MO USA   |
| NYNY  | NEW YORK AIR BRAKE CO., Watertown, NY USA                                      |
| NYON  | NEW YORK AIR BRAKE CO., Kingston,ON Canada                                     |
| ON    | ONTARIO NORTHLAND TRANSPORTATION COMMISSION, North Bay,ON Canada               |
| PAB   | PITTSBURGH AIR BRAKE CO., Carnegie,PA USA                                      |
| PYSC  | PRODUCTOS Y SERVICIOS DEL CENTRO, S.A. DE C.V., San Luis Potosi,SLP Mexico     |
| RRIV  | RED RIVER AIR BRAKE, Winnipeg,MB Canada  |
| SFM   | SERVICIOS FERROVIARIOS DE NORTE AMERICA, Monterrey, Mexico                     |
| STR   | SPRINGFIELD TERMINAL RAILWAY COMPANY, Waterville,ME USA                        |
| WABM  | WABTEC DE MEXICO, San Luis Potosi,SLP Mexico                                   |
| WACA  | WABTEC GLOBAL SERVICE CENTERS, Carson City, NV USA                             |
| WAHO  | WABCO FREIGHT CAR PRODUCTS, Hamilton,ON Canada                                 |
| WAIL  | WABTEC SERVICE CENTERS, Chicago, IL USA  |
| WAKS  | WABTEC GLOBAL SERVICE CENTERS, Kansas City,MO USA                              |
| WAPQ  | WABTEC GLOBAL SERVICE CENTERS, WABTEC, CORP., Lachine,PQ Canada                |
| WASC  | WABTEC GLOBAL SERVICE CENTERS, Columbia,SC USA                                 |
| WAWP  | WABCO LOCOMOTIVE PRODUCTS, Wilmerding,PA USA                                   |

### SERVVALVE\_C803

**Element Name:**

Date Valve Tested (●)

**Data Type:** Date

**Data Length:** 10

**Description:**

The date the service brake valve was tested after manufacturing or reconditioning.

**SERVVALVE\_C804**

**Element Name:**

Serial Number

**Data Type:** Text

**Data Length:** 15

**Description:**

Brake Valve Service MFG Serial Number.

**SERVVALVE\_C805**

**Element Name:**

Part Number (●)

**Data Type:** Text

**Data Length:** 12

**Description:**

Brake Valve Service MFG Part Number.

**SERVVALVE\_C806**

**Element Name:**

MFG Configuration Code (●)

**Data Type:** Text **Data Length:** 6

**Description:**

Identifies configuration control of the service brake valve specific to the manufacturer.

**SERVVALVE\_C807**

**Element Name:**

Valve Type (●)

**Data Type:** Text

**Data Length:** 10

**Description:**

Brake Valve Service Valve Type

**Valid Values:**

| Value   | Description     |
|---------|-----------------|
| ABD     | ABD-Service     |
| ABDS    | ABDS-Service    |
| ABDW    | ABDW-Service    |
| ABDWS   | ABDWS-Service   |
| ABDW-2  | ABDW-2-Service  |
| ABDX    | ABDX-Service    |
| ABDXR   | ABDXR-Service   |
| DB-20   | DB-20-Service   |
| ABDX-L  | ABDX-L-Service  |
| ABDXR-L | ABDXR-L-Service |
| DB-20-L | DB-20-L-Service |

## Couplers

### COUPLER\_C007

**Element Name:**

Component Defect Flag

**Data Type:** Text

**Data Length:** 1

**Description:**

Indicates that a component is flagged with a defect. This can only be set by a Railinc Application Administrator.

**Valid Values:**

| Value | Description |
|-------|-------------|
| Y     | Yes         |

### COUPLER\_C010

**Element Name:**

Component Registration Date

**Data Type:** Text

**Data Length:** 10

**Description:**

Component Registration Date

### COUPLER\_C601

**Element Name:**

Coupler Condition Code (●)

**Data Type:** Text

**Data Length:** 1

**Description:**

Coupler Condition Code - New, Secondhand, Reconditioned.

**Valid Values:**

| Value | Description   |
|-------|---------------|
| 1     | New           |
| 2     | Secondhand    |
| 3     | Reconditioned |

### COUPLER\_C602

**Element Name:**

Coupler AAR Code Number

**Data Type:** Text

**Data Length:** 14

**Description:**

Coupler Code Number, not cast into coupler.

**Validation Rules:**

- AAR Code Number is required for New Couplers.

### COUPLER\_C603

**Element Name:**

Coupler Catalog Number (●)

**Data Type:** Text

**Data Length:** 12

**Description:**

Coupler Catalog number is cast into the Coupler. It is Mandatory to report the Catalog number.

### COUPLER\_C604

**Element Name:**

Coupler Cast Month (●)

**Data Type:** Numeric

**Data Length:** 2

**Description:**

Month Cast into Coupler.

**Validation Rules:**

- Coupler Cast Month must be between 1 and 12.

### COUPLER\_C605

**Element Name:**

Coupler Cast Year (●)

**Data Type:** Numeric

**Data Length:** 2

**Description:**

Year Cast into Coupler.

### COUPLER\_C606

**Element Name:**

Coupler Serial Number (●)

**Data Type:** Text

**Data Length:** 8

**Description:**

Coupler Serial number cast or stamped on coupler.

**Validation Rules:**

- Manufacturers drawing number is required for new bolsters.

### COUPLER\_C607

**Element Name:**

Coupler Cavity Number (●)

**Data Type:** Text

**Data Length:** 2

**Description:**

Indicates the Cavity in the Casting mold.

### COUPLER\_C608

**Element Name:**

Coupler Conditional Approval

**Data Type:** Text

**Data Length:** 1

**Description:**

Indicates that a coupler is conditionally approved

**Valid Values:**

| Value | Description |
|-------|-------------|
| Y     | Yes         |
| N     | No          |

**Validation Rules:**

- Conditional Approval Flag is required for New Couplers.

### COUPLER\_C609

**Element Name:**

Coupler AAR Facility Code (●)

**Data Type:** Text

**Data Length:** 4

**Description:**

QA Code assigned by AAR that uniquely identifies foundry where coupler was cast.

**Valid Values:**

| Value | Description  |
|-------|--|
| ACCO  | ALLIANCE CASTING COMPANY, Alliance OH (no longer in production)        |
| ASFA  | ASF Keystone - Alliance (no longer in production)                      |
| ASFG  | AMSTED RAIL COMPANY, Granite City, IL                                  |
| ASFM  | ASF-K de MEXICO, S.de R.L. de C.V., Sahagun, Hidalgo                   |
| BS    | Buckeye Steel Casting (no longer in production)                        |
| CSF   | Canadian Steel Foundry (no longer in production)                       |
| CSCO  | COLUMBUS CASTINGS, Columbus, OH  |
| DOM   | ABC NACO Dominion (no longer in production)                            |
| FAT   | Fundiodora De Aceros Tepeyac (no longer in production)                 |
| FHA   | Fundiciones DeHierro Y Aceros.(no longer in production)                |
| MCT   | MCCONWAY & TORLEY LLC, Kutztown, PA                                    |
| MCTP  | MCCONWAY & TORLEY LLC, Pittsburgh, PA                                  |
| NCC   | ABC NACO Cicero (no longer in production)                              |
| NCMP  | ABC NACO Melrose Park (no longer in production)                        |
| SSBI  | SIVYER STEEL CORPORATION, Bettendorf, IA                               |
| SN    | ABC NACO Sahagun (no longer in production)                             |
| WCNG  | WORKHORSE RAIL, LLC - CNGC INNER MONGOLIA FIRST MACHINERY GROUP        |
| 9ABC  | ABC-NACO Sharon (No Longer in Production)                              |
| 9ASI  | ASF-Indiana Harbor (No Longer in Production)                           |
| 9CSF  | Canadian Steel Foundries (No Longer in Production)                     |
| 9DOF  | Dofasco Inc (No Longer in Production)                                  |
| 9DRS  | Dresser Transporations-Symington Wayne/Gould (No Longer in Production) |
| 9OSC  | Omaha Steel Castings Co. (No Longer in Production)                     |
| 9SN   | Sidena (No Longer in Production)                                       |

**Validation Rules:**

- Facility Code is required for New Couplers.

### COUPLER\_C610

**Element Name:**

Coupler Heat Number

**Data Type:** Text

**Data Length:** 10

**Description:**

Heat Number assigned to Coupler when it was Cast.

**Validation Rules:**

- Heat Number is required for New Couplers.

### COUPLER\_C611

**Element Name:**

Coupler Heat Treat Load Number

**Data Type:** Text

**Data Length:** 12

**Description:**

Heat Treat Load Number assigned when coupler was heat treated. Heat Treat Load Number assigned when coupler was heat treated..

**Validation Rules:**

- Reconditioner Heat Treat Load Number is required for Reconditioned Couplers.

### COUPLER\_C612

**Element Name:**

Coupler Reconditioner AAR Facility Code

**Data Type:** Text

**Data Length:** 4

**Description:**

QA Code assigned by AAR that uniquely identifies where coupler was reconditioned.

**Valid Values:**

| Value | Description   |
|-------|---|
| AMIS  | AMERICAN INDUSTRIES, Sharon, PA                           |
| CCRW  | CENTRAL COUPLER RECLAIM, INC., Winnipeg, MB               |
| DRE   | DONOHUE RAILROAD EQUIPMENT CO., Darlington, PA            |
| GCP   | GREENBRIER CASTINGS, Peoria, IL                           |
| ICDI  | ILLINI CASTINGS, Danville, IL                             |
| MRCI  | AMERICAN INDUSTRIES MIDLAND DIVISION, Jerseyville, IL     |
| MSRI  | MECHANICAL SYSTEMS REMANUFACTURING, INC., Mississauga, ON |
| PRBA  | PROGRESS RAIL SERVICES, Boaz, AL                          |
| PRWW  | PROGRESS RAIL TRANSCANADA CORP., Winnipeg, Manitoba       |

**Validation Rules:**

- Reconditioned Facility is required for Reconditioned Couplers.

### COUPLER\_C613

**Element Name:**

Coupler Classification Date

**Data Type:** Date

**Data Length:** 10

**Description:**

Date Coupler was Classified. In MM-DD-CCYY format.

**Validation Rules:**

- Coupler Recondition Date can't be after Today.
- Reconditioned Date is required for Reconditioned Couplers.

### COUPLER\_C614

**Element Name:**

Reconditioned Heat Treat Load Number

**Data Type:** Text

**Data Length:** 12

**Description:**

Coupler Reconditioners Heat Treat Load Number.

**Validation Rules:**

- Reconditioner Heat Treat Load Number is required for Reconditioned Couplers

### COUPLER\_C615

**Element Name:**

Reconditioners Tag

**Data Type:** Text

**Data Length:** 2

**Description:**

Reconditioners Tag.

**Valid Values:**

| Value | Description                  |
|-------|------------------------------|
| RG    | Restored and Gauged          |
| CE    | Grade C converted to Grade E |

## Pressure Relief Valves

### PRVALVE\_D101

**Element Name:**

PRV Condition Code (●)

**Data Type:** Text

**Data Length:** 1

**Description:**

New or Reconditioned Pressure Relief Valve

**Valid Values:**

| Value | Description   |
|-------|---------------|
| 1     | New           |
| 3     | Reconditioned |

### PRVALVE\_D102

**Element Name:**

AAR OEM/Recon Facility Code (●)

**Data Type:** Text

**Data Length:** 12

**Description:**

QA Code for OEM/Reconditioner of a Pressure Relief Valve

**Valid Values:**

| Value | Description  |
|-------|--|
| AAST  | Crossbridge Compliance LLC - Longview                |
| ACAP  | ACF Industries, LLC - Milton                         |
| ADM   | ADM Railcar Repair                                   |
| ADMI  | Archers Daniel Midland Railcar Repair – Cedar Rapids |
| ANDR  | The Andersons, Inc. - Maumee                         |
| ANKM  | The Andersons, Inc. – Kansas City                    |
| APRT  | Aoalachian Tank Car Services, Inc. - Kingsport       |
| ARIB  | American Railcar Industries - Bude                   |
| ARIC  | ARI Fleet Services of Canada, Inc. - Sarnia          |
| ARIF  | American Railcar Industries – Point Comfort          |
| ARIH  | American Railcar Industries – La Porte               |
| ARIJ  | American Railcar Industries – Jackson                |
| ARIL  | American Railcar Industries – Longview               |
| ARIM  | American Railcar Industries – Brookhaven             |
| ARIN  | American Railcar Industries – N. Kansas City         |
| ARIT  | American Railcar Industries – Tennille               |
| ARIZ  | American Railcar Industries – Gonzales               |
| ARS   | Alabama Railcar Services, Inc. – Ozark               |
| ARSA  | The Apache Railway Company                           |
| ARTC  | American Railcar Industries – Keenesburg             |
| ATST  | Alpha Technical Services Corporation                 |
| BCHT  | Bray Controls USA                                    |
| BMBC  | Brunette Machinery Company – Prince George           |

| Value | Description  |
|-------|--|
| BRBT  | Beauchan Rail Services Repair                                  |
| BRMD  | Appalachian Tank Car Services, Inc. – Elk Mills                |
| BRS   | Appalachian Tank Car Services, Inc. – Lynchburg                |
| BRWV  | Appalachian Tank Car Services, Inc. – Hinton                   |
| BWS   | BW Services - Westlake   |
| BWSI  | Eagle Railcar Services – Washington                            |
| BWST  | BW Services - Angleton   |
| BYU   | Bayou Railcar Services, LLC – Holden                           |
| CAD   | CAD Railway Industries – Lachine                               |
| CGMJ  | GATX Rail Canada Corporation – Moose Jaw                       |
| CGMQ  | GATX Corporation – Montreal                                    |
| CGRD  | GATX Corporation – Red Deer                                    |
| CGSO  | GATX Rail Canada Corporation – Sarnia Service Center - Corunna |
| CICS  | Conbraco Industries, Inc.                                      |
| CTI   | Caltrax, Inc. - Calgary  |
| CVAT  | Cryogenic Vessel Alternatives, Inc.                            |
| DC    | Dana Railcare  |
| DEWR  | Dixon Eagle  |
| DGBN  | Dakota Gasification Company                                    |
| ECEN  | Engineered Controls International, LLC                         |
| ECSI  | Economy Coating Systems, Inc. – Camanche                       |
| EFDN  | Equipos Ferroviarios del Norte, S.A. de C.V.                   |
| EFDS  | Equipos Ferroviarios del Sureste, S.A. de C.V.                 |
| ERSR  | Eagle Railcar Services – Roscoe                                |
| ERST  | Eagle Railcar Services – Elkhart                               |
| ERSW  | Eagle Railcar Services – Wichita Falls                         |
| EWPW  | ERCO Worldwide (USA) Inc.                                      |
| FFCW  | First Flare and Repair, LLC                                    |
| FRAL  | Frit Railcar – Brewton   |
| FRNC  | Frit Car, Unc. – Bridgeton                                     |
| FRS   | Watco Mechanical Services – Fitzgerald                         |
| FVEK  | Fort Vale Engineering Ltd.                                     |
| FWMP  | Foradora Welding & Machining, Inc.                             |
| GACA  | GATX Corporation – Colton                                      |
| GACO  | GATX Corporation – Claremore                                   |
| GAEC  | GATX Corporation – Crown Point                                 |
| GAFT  | GATX Corporation – Freeport                                    |
| GAGA  | GATX Corporation – Waycross                                    |
| GAGL  | GATX Corporation – Geismar                                     |
| GAGP  | GATX Corporation – Galena Park                                 |
| GAHT  | GATX Corporation – Hearne                                      |
| GAKK  | GATX Corporation – Kansas City                                 |
| GALF  | GATX Corporation – Lakeland                                    |
| GAML  | GATX Corporation – Minden                                      |
| GAPT  | GATX Corporation – Plantersville                               |
| GATI  | GATX Corporation – Terre Haute                                 |
| GATL  | GATX Corporation – Donaldsonville                              |
| GEAR  | UTC Railcar Repair Services LLC – Texarkana                    |
| GERS  | Procor Railcar Repair Services – Regina                        |
| GESP  | UTC Railcar Repair Services LLC – Sayre                        |
| GEWI  | UTC Railcar Repair Services LLC – Waterloo                     |
| GIRA  | Girard Equipment, Inc.   |
| GRAK  | Greenbrier Rail Services – Atchison                            |
| GRSF  | Greenbrier Rail Services – Finley                              |
| GRSO  | Greenbrier Rail Services – Omaha                               |



| Value | Description                                      |
|-------|--|
| GSW   | Greenbrier Rail Services – Cleburne              |
| GTDP  | Gasbarre Technologies                            |
| HCCP  | H.C. Chandler & Son, Inc.                        |
| HMPL  | Hayes Manufacturing Company, Inc. - Pineville    |
| HMWA  | Hammond Machine Works, Inc. – Addison            |
| HMWI  | Hammond Machine Works, Inc. – Hammond            |
| JBUR  | Metso Flow Control USA, Inc.                     |
| KJTT  | Kong Jih Valve Industrial Co. Ltd                |
| KTMI  | Korea Total Marine Innovation Co., Inc.          |
| MMCS  | Midland Manufacturing                            |
| MRCs  | Marsh Rail Car Services, Inc. – St. Peters       |
| MRH   | Watco Mechanical Services - Hollidaysburg        |
| MRN   | Watco Mechanical Services – Neodesha             |
| MRS   | Watco Mechanical Services – Scottsville          |
| MRT   | Watco Mechanical Services – Hockley              |
| MRZ   | Watco Mechanical Services – Zwolle               |
| MVMT  | McKenzie Valve & Machining, LLC                  |
| MWR   | Midwest Railcar Repair, Inc.                     |
| OLCT  | Olin Corporation - Charleston                    |
| OLMC  | Olin Corporation – McIntosh                      |
| OPWL  | OPW Engineered Systems                           |
| OSDI  | Oertel Metal Works, Inc                          |
| OTMT  | On-Track Properties, Inc. – Montgomery           |
| OWSP  | OWS Railcar Inc.                                 |
| PENT  | Emerson Automation Solutions Final Control US LP |
| PRAT  | Progress Rail Services – Amarillo                |
| PRE   | Procor Limited – Edmonton                        |
| PRJA  | Procor Limited – Joffre                          |
| PRNV  | Procor Limited – North Vancouver                 |
| PRO   | Procor Limited – Oakville                        |
| PRPL  | Prokar, Inc. – Plaquemine                        |
| PRR   | Procor Limited – Regina                          |
| PRRK  | Progress Rail Services – Raceland                |
| PRS   | Procor Limited – Sarnia                          |
| PRSO  | Procor Limited – Lambton (Sarnia)                |
| RCBT  | Rescar Companies, Inc. – Borger                  |
| REBF  | Rescar Companies, Inc. – Bartow                  |
| REBN  | Rescar Companies, Inc. – Blair                   |
| REBO  | Rescar Companies, Inc. – Boron                   |
| REBT  | Rescar Companies, Inc. – Beaumont                |
| REBX  | Rescar Companies, Inc. – Cedar Bayou             |
| RECH  | Rescar Companies, Inc. – Channahon               |
| RECL  | Rescar Companies, Inc. – Clear Lake              |
| RECP  | Rescar Companies, Inc. – Pocatello               |
| RECT  | Rescar Companies, Inc. – Channelview             |
| RECV  | Rescar Companies, Inc. – Channelview             |
| REDA  | Rescar Companies, Inc. – Decatur                 |
| REDP  | Rescar Companies, Inc. – DuBois                  |
| REGG  | Rescar Companies, Inc. – Gordon                  |
| REGS  | Rescar Companies, Inc. – Gaston                  |
| REIA  | Rescar Companies, Inc. – Lakota                  |
| REIL  | Rescar Companies, Inc. – Sauget                  |
| REKT  | Rescar Companies, Inc. – Kingsport               |
| RELE  | Rescar Companies, Inc. – Longview (Plant 550)    |
| RELT  | Rescar Companies, Inc. – Longview (Plant 110)    |
| REMN  | Rescar Companies, Inc. – Mandan                  |
| REMO  | Rescar Companies, Inc. – Minerva                 |
| RENF  | Rescar Companies, Inc. – Niagra Falls            |
| RENW  | Rescar Companies, Inc. – New Martinsville        |

| Value | Description   |
|-------|---|
| REOT  | Rescar Companies, Inc. – Orange                       |
| REPP  | Rescar Companies, Inc. – Soda Springs                 |
| RERM  | Rescar Companies, Inc. – Rosemount                    |
| RESB  | Rescar Companies, Inc. – Bishop                       |
| RESC  | Rescar Companies, Inc. – North Charleston             |
| REGG  | Rescar Companies, Inc. – Gramercy                     |
| RESI  | Rescar Companies, Inc. – Savannah                     |
| RESM  | Rescar Companies, Inc. – Springfield                  |
| RETT  | Rescar Companies, Inc. – Texas City                   |
| REWK  | Rescar Companies, Inc. – Wichita                      |
| REWO  | Rescar Companies, Inc. – Woodward                     |
| REWS  | Rescar Companies, Inc. – White Springs                |
| RIGA  | Rescar Companies, Inc. – Riga                         |
| RIMT  | Runyon Industries, Inc. – Memphis                     |
| RRSQ  | Ronsco Inc. – Coteau du Lac                           |
| RSI   | Railcar Services, Inc. – Calvert City                 |
| SILL  | Setpoint Integrated Solutions, Inc.                   |
| SIRO  | Eagle Railcar Services – Cairo                        |
| SRCO  | Trinity Rail Maintenance Services, Inc. – Hugo        |
| SRSR  | Safety Railway Service, L.P. – Houston                |
| SRSK  | Safety Railway Service, L.P. – Knox                   |
| SRSL  | Safety Railway Service, L.P. – Belle Chasse           |
| SRSO  | Safety Railway Service, L.P. – Orange                 |
| SRSS  | Safety Railway Service, L.P. – Geismar                |
| SIRST | Safety Railway Service, L.P. – New Johnsonville       |
| SRSV  | Safety Railway Service, L.P. – Victoria               |
| SRSY  | Safety Railway Service, L.P. – Louisville             |
| SSLT  | Southwest Steel Casting Company                       |
| SVSI  | Southern Valve Service, Inc.                          |
| TECH  | Transitech, Inc. – Fordyce                            |
| TERG  | Talleres de Equipo Rodante del Bajno, S.A. Irapuato   |
| TETX  | Texana Tank Car and Manufacturing, LTD.               |
| TIGC  | TransRail Innovation Group                            |
| TIJA  | Trinity Rail Maintenance Services, Inc. – Jonesboro   |
| TLPT  | Tank Lining of Paris, Inc.                            |
| TMC   | TMC Engineering Services – Houston                    |
| TMMX  | Trinity Rail de Mexico, S. de R.L. de C.V. – Frontera |
| TMTT  | Texana/Midway Tank Cleaning Facility                  |
| TRAF  | Transco Railway Products, Inc. – Newton Falls         |
| TRAM  | Transco Railway Products, Inc. – Miles City           |
| TRAO  | Transco Railway Products, Inc. – Oelwein              |
| TRAS  | Transco Railway Products, Inc. – Sioux City           |
| TXIX  | Trinity Tank Car, Inc. – Longview (Plant 19)          |
| TXV   | Trinity Rail Maintenance Services, Inc.               |
| UTBI  | Union Tank Car Company – Bedford Park                 |
| UTBR  | Union Tank Car Company – Baton Rouge (Plant 123)      |
| UTBT  | Union Tank Car Company – Baytown 1                    |
| UTCC  | Union Tank Car Company – Catlettsburg                 |
| UTCG  | Union Tank Car Company – Valdosta                     |
| UTCH  | Union Tank Car Company – South Charleston             |
| UTCI  | Union Tank Car Company – Muscatine                    |
| UTCK  | Union Tank Car Company – El Dorado                    |
| UTCL  | Union Tank Car Company – Ville Platte                 |
| UTCO  | Union Tank Car Company – Marion (Plant 121)           |
| UTCP  | Union Tank Car Company – Altoona                      |
| UTCT  | Union Tank Car Company – Cleveland                    |
| UTCW  | Union Tank Car Company – Evanston                     |
| UTDT  | Union Tank Car Company – Deer Park                    |
| UTEC  | Union Tank Car Company – East Chicago                 |

| Value | Description                                      |
|-------|--|
| UTFA  | Union Tank Car Company – Scio                    |
| UTFT  | Union Tank Car Company – Freeport                |
| UTGL  | Union Tank Car Company – Geismar                 |
| UTGP  | Union Tank Car Company – Galena Park (Plant 135) |
| UTGT  | Union Tank Car Company – Galena Park (Plant 178) |
| UTHT  | UTLX Manufacturing, LLC – Houston (Plant 6)      |
| UTLA  | Union Tank Car Company – Alexandria              |
| UTMG  | Union Tank Car Company – McIntyre                |
| UTMM  | Union Tank Car Company – Midland                 |
| UTMP  | Union Tank Car Company – Chester                 |
| UTMT  | UTLX Manufacturing, LLC – Houston (Plant 10)     |
| UTMX  | UTLX Soporte Empresarial, S.A de C.V             |
| UTPT  | Union Tank Car Company – Plaquemine              |
| UTRT  | Union Tank Car Company – Baton Rouge (Plant 122) |
| UTSC  | Union Tank Car Company – Stockton                |
| UTTT  | Union Tank Car Company – Taft                    |
| UTTX  | Union Tank Car Company – Texas City              |
| VERM  | Vertex Railcar Corporation                       |
| VSSO  | VIP Rail ULC                                     |
| WATH  | Watco Mechanical Services – Houston              |
| WMCK  | Watco Mechanical Services – Coffeyville          |
| WSCS  | Watco Supply Chain Services – Richmond           |
| WTHT  | Watco Switching Services – Houston               |
| WWMP  | WW Metal Products, Inc.                          |

**PRVALVE\_D103**

**Element Name:**

Original MFG Code

**Data Type:** Text

**Data Length:** 4

**Description:**

Preserves the original manufacturer of the Pressure Relief Valve once the valve has been reconditioned.

**PRVALVE\_D104**

**Element Name:**

MFG Model Number (●)

**Data Type:** Text

**Data Length:** 15

**Description:**

The manufacturers design or type number as defined by the manufacturer.

| Value     | Description                                |
|-----------|--|
| PRD139511 | PRV Model PRD139511 (Service Trial #ST444) |
| PRD139512 | PRV Model PRD139512 (Service Trial #ST445) |

**PRVALVE\_D105**

**Element Name:**

PRV Serial Number

**Data Type:** Numeric

**Data Length:** 10

**Description:**

Serial number assigned to Pressure Relief Valves manufactured or assembled new after December 31, 2003.

**PRVALVE\_D106**

**Element Name:**

PRV Nominal Set Pressure (●)

**Data Type:** Numeric

**Data Length:** 5

**Description:**

The pressure, measured at the valve inlet, at which a Pressure Relief Valve is set for start-to-discharge.

| Value | Description |
|-------|-------------|
| 15    | 15 PSI      |
| 25    | 25 PSI      |
| 30    | 30 PSI      |
| 35    | 35 PSI      |
| 45    | 45 PSI      |
| 75    | 75 PSI      |
| 100   | 100 PSI     |
| 115   | 115 PSI     |
| 150   | 150 PSI     |
| 165   | 165 PSI     |
| 225   | 225 PSI     |
| 247.5 | 247.5 PSI   |
| 255   | 255 PSI     |
| 280.5 | 280.5 PSI   |
| 300   | 300 PSI     |
| 330   | 330 PSI     |
| 375   | 375 PSI     |
| 450   | 450 PSI     |
| 500   | 550 PSI     |

**PRVALVE\_D107**

**Element Name:**

PRV Build Month

**Data Type:** Text

**Data Length:** 2

**Description:**

The month in which the PRV was built if the Pressure Relief Valve was manufactured prior to January 1, 2004.

**PRVALVE\_D108**

**Element Name:**

AAR Valve Approval Number (●)

**Data Type:** Text

**Data Length:** 10

**Description:**

The Approval Number (original or renewal) is assigned by the AAR and is valid for 10 years. This must be the current approval number as recorded on either the AAR form 4-3 or 4-7.

**PRVALVE\_D109**

**Element Name:**

PRV Qualification Date

**Data Type:** Text

**Data Length:** 10

**Description:**

10 character date stamp with format YYYY-MM-DD on which the PRV was physically tested and qualified by the C4a, C4m or C5 tank car facility.

**PRVALVE\_D110**

**Element Name:**

PRV Start to Discharge Pressure

**Data Type:** Numeric

**Data Length:** 6

**Description:**

This element must show the measured start-to-discharge pressure of the PRV tested and must be within the tolerance for the given set pressure in 49 CFR Part 179.15(b)(5).

**PRVALVE\_D111**

**Element Name:**

PRV Vapor Tight Pressure

**Data Type:** Numeric

**Data Length:** 6

**Description:**

This element must show the measured vapor-tight pressure of the PRV tested and must be within the tolerance for the given set pressure.

**PRVALVE\_D112**

**Element Name:**

O-Ring Material

**Data Type:** Text

**Data Length:** 40

**Description:**

This element describes the material composition/type of the new elastomeric seals.

| Value                        | Description                  |
|------------------------------|------------------------------|
| BLACK NEOPRENE               | BLACK NEOPRENE               |
| BUNA-N                       | BUNA-N                       |
| BUNA-N A                     | BUNA-N A                     |
| BUNA-N FOOD GRADE            | BUNA-N FOOD GRADE            |
| BUNA-NLT                     | BUNA-NLT                     |
| BUNA-S                       | BUNA-S                       |
| BUTYL                        | BUTYL                        |
| CAROLINA                     | CAROLINA                     |
| CEP (CAROLINA SEAL EP787)    | CEP (CAROLINA SEAL EP787)    |
| CHEMRAZ                      | CHEMRAZ                      |
| CHEMRAZ 505                  | CHEMRAZ 505                  |
| CS5355 (CAROLINA SEAL 5355)  | CS5355 (CAROLINA SEAL 5355)  |
| CSI 4273 (EXXON MOBILE SPEC) | CSI 4273 (EXXON MOBILE SPEC) |
| CSI 4273A (VITON A)          | CSI 4273A (VITON A)          |
| CSI 4273B (VITON B)          | CSI 4273B (VITON B)          |
| CSI 5176 (VITON EXTREME ETP) | CSI 5176 (VITON EXTREME ETP) |
| CSI 5350 (VITON GFS)         | CSI 5350 (VITON GFS)         |
| CSI 842 (WHITE NEOPRENE)     | CSI 842 (WHITE NEOPRENE)     |
| CSI BN661 (BUNA-N)           | CSI BN661 (BUNA-N)           |
| CSI EP787 (EPDM)             | CSI EP787 (EPDM)             |
| CVETP (CAROLINA SEAL 5176)   | CVETP (CAROLINA SEAL 5176)   |
| EB-165-70                    | EB-165-70                    |
| EPDM                         | EPDM                         |
| EPDM (PEROXIDE CURED)        | EPDM (PEROXIDE CURED)        |
| EPDM FOOD GRADE              | EPDM FOOD GRADE              |
| EPR FOOD GRADE               | EPR FOOD GRADE               |

| Value                        | Description                  |
|------------------------------|------------------------------|
| ETHYLENE PROPYLENE RUBBER    | ETHYLENE PROPYLENE RUBBER    |
| HYPALON                      | HYPALON                      |
| KALREZ                       | KALREZ                       |
| KALREZ 1050                  | KALREZ 1050                  |
| KALREZ 1050 LF               | KALREZ 1050 LF               |
| KALREZ 1050 LS               | KALREZ 1050 LS               |
| KALREZ 2035                  | KALREZ 2035                  |
| KALREZ 3018                  | KALREZ 3018                  |
| KALREZ 4079                  | KALREZ 4079                  |
| KALREZ 6375                  | KALREZ 6375                  |
| NEOPRENE                     | NEOPRENE                     |
| NITRILE FOOD GRADE           | NITRILE FOOD GRADE           |
| POLYURETHANE                 | POLYURETHANE                 |
| SILICONE                     | SILICONE                     |
| SIMRIZ 7295                  | SIMRIZ 7295                  |
| SIMRIZ 7301                  | SIMRIZ 7301                  |
| TEFLON                       | TEFLON                       |
| TEFLON ENCAPSULATED SILICONE | TEFLON ENCAPSULATED SILICONE |
| TEFLON ENCAPSULATED VITON    | TEFLON ENCAPSULATED VITON    |
| VITON                        | VITON                        |
| VITON A                      | VITON A                      |
| VITON A 747                  | VITON A 747                  |
| VITON B                      | VITON B                      |
| VITON ETP                    | VITON ETP                    |
| VITON ETP-S                  | VITON ETP-S                  |
| VITON EXTREME                | VITON EXTREME                |
| VITON F                      | VITON F                      |
| VITON G                      | VITON G                      |
| VITON GF                     | VITON GF                     |
| VITON GFLT 600S              | VITON GFLT 600S              |
| VITON VG                     | VITON VG                     |
| VITON-A FOOD GRADE           | VITON-A FOOD GRADE           |
| WHITE BUNA N                 | WHITE BUNA A                 |
| WHITE NEOPRENE               | WHITE NEOPRENE               |
| WHITE NEOPRENE FOOD GRADE    | WHITE NEOPRENE FOOD GRADE    |

**PRVALVE\_D113****Element Name:**

AAR Service Trial Number

**Data Type:** Text**Data Length:** 8**Description:**

The Service Trial number is assigned by the AAR for an in-service evaluation of a PRV for a defined period of time. This must be the service trial number as recorded on either the AAR forms 4-3, 4-4, 4-6 and/or 4-7.

**PRVALVE\_D114****Element Name:**

AAR Group

**Data Type:** Text**Data Length:** 2**Description:**

This field must be reported by the tank car facility and be included in the component registration data sent to Railinc for all pressure relief valves.

**PRVALVE\_D115****Element Name:**

PRV Build Year

**Data Type:** Numeric**Data Length:** 2**Description:**

The year in which the PRV was built if the Pressure Relief Valve was manufactured prior to January 1, 2004.

## Side Frames

### SIDEFAME\_C007

**Element Name:**

Component Defect Flag

**Data Type:** Text

**Data Length:** 1

**Description:**

Indicates that a component is flagged with a defect. This can only be set by a Railinc Application Administrator.

**Valid Values:**

| Value | Description |
|-------|-------------|
| Y     | Yes         |

### SIDEFAME\_C010

**Element Name:**

Component Registration Date

**Data Type:** Text

**Data Length:** 10

**Description:**

Component Registration Date

### SIDEFAME\_C501

**Element Name:**

Side Frame AAR Foundry Facility Code (●)

**Data Type:** Text

**Data Length:** 4

**Description:**

QA code assigned by AAR that uniquely identifies foundry where side frame was cast.

**Valid Values:**

| Value | Description   |
|-------|---|
| ACCO  | ALLIANCE CASTING COMPANY, Alliance, OH  |
| AMCB  | Amsted Maxion Foundry & Railway Equipment (no longer in production)             |
| AMOB  | Amsted Maxion Funicao E Equipamentos Ferroviarios, SA (no longer in production) |
| ASFA  | ASF Keystone - Alliance (no longer in production)                               |
| ASFG  | AMSTED RAIL COMPANY, Granite City, IL   |
| ASFM  | ASF-K de MEXICO, S.de R.L. de C.V., Sahagun, Hidalgo                            |
| ASFZ  | ZHUZHOU ABC RAIL PRODUCTS CO. Zhuzhou, Hunan                                    |
| BS    | Buckeye Steel Casting (no longer in production)                                 |
| CKDC  | SCB FOUNDRY, A.S., Slevarna Ceske, Budejovice                                   |

| Value | Description   |
|-------|---|
| CSCO  | COLUMBUS CASTINGS, Columbus, OH   |
| DOM   | ABC NACO Dominion (no longer in production)   |
| HDC   | Standard Car Truck Company Calcutta, India (no longer in production)                      |
| JRTC  | JINXI RAILWAY ROLLING STOCK CO., Taiyuan, Shanxi  |
| KSKU  | ASF-Keystone (Kremenchug Ukraine) (no longer in production)                               |
| NCC   | ABC NACO Cicero (no longer in production)   |
| NCMP  | ABC NACO Melrose Park (no longer in production)   |
| PPCR  | ASF-Keystone (Promlit Russia) (no longer in production)                                   |
| QLR   | CSR QISHUYAN LOCOMOTIVE CO., Qishuyan, Changzhou  |
| RSRM  | ROTHBURY STEEL, Rothbury, MI  |
| SCLI  | STEELCAST LIMITED, Bhavnagar, Gujarat   |
| TRZC  | TIANRUI GROUP FOUNDRY CO., Ruzhou City, Henan   |
| TXID  | TEXMACO LTD- STEEL FOUNDRY DIVISION, Belgharia, W. Bengal                                 |
| SMI   | SUMITOMO (no longer in production)  |
| SN    | ABC NACO Sahagun (no longer in production)  |
| SCAW  | SCAW (no longer in production)  |
| 9ABC  | ABC-NACO Sharon (No Longer in Production)   |
| 9ASA  | ASF-Keystone, Bradken, Australia (No Longer in Production)                                |
| 9ASC  | ASF-Keystone-Chicago Castings Company (No Longer in Production)                           |
| 9ASI  | ASF-Indiana Harbor (No Longer in Production)  |
| 9ASE  | ASF-Keystone, East St. Louis (No Longer in Production)                                    |
| 9BE   | Bucyrus Erie (No Longer in Production)  |
| 9BIR  | Birdsboro Corp (No Longer in Production)  |
| 9BKK  | Bradford Kendall, Kilburn (No Longer in Production)                                       |
| 9BKR  | Bradford Kendall Runcorn, Bradken (No Longer in Production)                               |
| 9BSC  | British Steel Corp (No Longer in Production)  |
| 9CA   | Construcciones y Auxiliar (No Longer in Production)                                       |
| 9CB   | Cobrasma (No Longer in Production)  |
| 9CMS  | Comsteel (No Longer in Production)  |
| 9CMT  | Cometna (No Longer in Production)   |
| 9CSF  | Canadian Steel Foundries (No Longer in Production)  |
| 9DOF  | Dofasco Inc (No Longer in Production)   |
| 9DRS  | Dresser Transporations-Symington Wayne/Gould (No Longer in Production)                    |
| 9FNV  | Fabrica Nacional de Vagoes (No Longer in Production)                                      |
| 9HDC  | Standard Car Truck Company, Hindusthan Engineering & Industries (No Longer in Production) |
| 9HNR  | Henricot (No Longer in Production)  |
| 9KSF  | ASF-Keystone, Kremenchug, Ukraine (No Longer in Production)                               |
| 9NIP  | Nippon Sharyo (No Longer in Production)   |
| 9OSC  | Omaha Steel Castings Co. (No Longer in Production)  |
| 9OSF  | Ohio Steel Foundry Co. (No Longer in Production)  |
| 9PIT  | Pittron-Pittsburgh Steel (No Longer in Production)  |
| 9PPR  | ASF-Keystone, Promlit, Russia (No Longer in Production)                                   |
| 9QIQ  | QIQIHAR RAILWAY ROLLING STOCK WORKS Qiqihar, Heilongjiang                                 |
| 9SAR  | South African Railways (No Longer in Production)  |

| Value | Description   |
|-------|---|
| 9SBI  | Standard Brass, Iron, and Steel Ltd. Benoni, South Africa (No Longer in Production) |
| 9SCU  | Scullin (No Longer in Production)   |
| 9SN   | Sidena (No Longer in Production)  |
| 9VUL  | Vulcan (No Longer in Production)  |

**Validation Rules:**

- Facility code is required for new side frames.

---

**SIDEFAME\_C502**

**Element Name:**

Side Frame Cast Month (●)

**Data Type:** Numeric

**Data Length:** 2

**Description:**

Month cast on side frame. In MM format.

**Validation Rules:**

- Side frame cast month must be between 1 and 12.

---

**SIDEFAME\_C503**

**Element Name:**

AAR Design Feature Code (●)

**Data Type:** Text

**Data Length:** 12

**Description:**

9-digit design code cast into the side frame.

---

**SIDEFAME\_C504**

**Element Name:**

Side Frame AAR ID Code (●)

**Data Type:** Text

**Data Length:** 8

**Description:**

AAR bolster ID number that is cast into the side frame.

---

**SIDEFAME\_C505**

**Element Name:**

MFG Pattern Number (●)

**Data Type:** Text

**Data Length:** 12

**Description:**

QA manufacturer pattern number that is cast into the side frame.

---

**SIDEFAME\_C506**

**Element Name:**

MFG Drawing Number

**Data Type:** Text

**Data Length:** 16

**Description:**

Manufacturer drawing number that is cast into the side frame.

**Validation Rules:**

- Manufacturers drawing number is required for new side frames.

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**SIDEFAME\_C507**

**Element Name:**

MFG Drawing Number Revision

**Data Type:** Text

**Data Length:** 3

**Description:**

Manufacturer drawing number revision cast into side frame.

---

**SIDEFAME\_C508**

**Element Name:**

Side Frame Serial Number (●)

**Data Type:** Text

**Data Length:** 10

**Description:**

Manufacturers serial number cast into side frame.

---

**SIDEFAME\_C509**

**Element Name:**

Side Frame MFG Heat Number

**Data Type:** Text

**Data Length:** 10

**Description:**

Manufacturers heat number assigned to side frame when it was cast. Newly manufactured side frames only.

**Validation Rules:**

- Manufacturers heat number is required for new side frames.

**SIDEFAME\_C510**

**Element Name:**

Side Frame MFG Heat Treat Load Number

**Data Type:** Text

**Data Length:** 12

**Description:**

Manufacturers heat treat load number assigned to bolster when it was heat treated. Newly manufactured bolsters only.

**Validation Rules:**

- Manufacturers heat treat load number is required for new side frames.

**SIDEFAME\_C511**

**Element Name:**

Side Frame Reconditioner AAR Facility Code

**Data Type:** Text

**Data Length:** 4

**Description:**

QA code assigned by AAR that uniquely identifies location where side frame was reconditioned.

**Valid Values:**

| Value | Description   |
|-------|---|
| AEPA  | AEP, Alliance, NE   |
| AMIS  | AMERICAN INDUSTRIES, Sharon, PA                                     |
| APS   | ALTOONA RAILCAR REPAIR, Altoona, PA                                 |
| ARC   | ARIZONA RAIL CAR, INC., Tucson, AZ                                  |
| ATSC  | ALSTOM TRANSPORT SERVICE CALGARY, Calgary, AB                       |
| BNN   | BNSF RAILWAY, Lincoln, NE   |
| BRS   | BRC RAIL CAR SERVICE CO., Lynchburg, VA                             |
| CGMQ  | GATX RAIL CANADA CORPORATION, Montreal, QC                          |
| CGRD  | GATX RAIL CANADA CORPORATION, Red Deer, Alberta                     |
| CNW   | CN TRANSCONA MAIN SHOPS, Winnipeg, MB                               |
| COMM  | COMET RAIL PRODUCTS, INC., Kansas City, MO                          |
| CTI   | CALTRAX CORPORATION, Calgary, Alberta                               |
| DLG   | DLG INDUSTRIAS, S.A. DE C.V., Pesqueria, Nuevo Leon                 |
| DRE   | DONOHUE RAILROAD EQUIPMENT CO., Darlington, PA                      |
| EFDN  | EQUIPOS FERROVIARIOS DEL NORTE S.A. de C.V., Gomez Palacio, Durango |
| EFDS  | EQUIPOS FERROVIARIOS DEL SURESTE, S.A. de C.V., LaGranja, Veracruz  |
| ELS   | ESCANABA & LAKE SUPERIOR RAILROAD, Escanaba, MI                     |
| ERSN  | EBENEZER RAILCAR SERVICES, West Seneca, NY                          |
| FCRB  | FREIGHTCAR RAIL SERVICES, Chesterton, IN                            |
| FCRC  | FREIGHTCAR RAIL SERVICES, Clinton, IN                               |
| FCRG  | FREIGHTCAR RAIL SERVICES, Grand Island, NE                          |

| Value | Description  |
|-------|--|
| FCRH  | FREIGHTCAR RAIL SERVICES, Hastings, NE                           |
| FCRW  | FREIGHTCAR RAIL SERVICES, Wheatfield, IN                         |
| FRCO  | WATCO MECHANICAL SERVICES, Omaha, NE                             |
| GCP   | GREENBRIER CASTINGS - PEORIA, IL                                 |
| GELS  | GETS LOCOMOTIVE SERVICES NORESTE, S.A. de C.V.                   |
| GERS  | GE RAILCAR REPAIR SERVICE COMPANY, Regina, Saskatchewan          |
| GESP  | GE RAILCAR REPAIR, Sayre, PA                                     |
| GRAK  | GREENBRIER RAIL SERVICES - ATCHISON, KS                          |
| GRSC  | GREENBRIER RAIL SERVICES - Chehalis, WA                          |
| GRSD  | GREENBRIER RAIL SERVICES - DOTHAN, AL                            |
| GRSF  | GREENBRIER RAIL SERVICES - FINLEY, WA                            |
| GRSH  | GREENBRIER RAIL SERVICES - HODGE, LA                             |
| GRSO  | GREENBRIER RAIL SERVICES - Omaha, NE                             |
| GRST  | GREENBRIER RAIL SERVICES - Tucson, AZ                            |
| GRTK  | GREENBRIER RAIL SERVICES - Topeka, KS                            |
| GSW   | GREENBRIER RAIL SERVICES - CLEBURNE, TX                          |
| GUN   | GUNDERSON, Portland, OR  |
| GUNS  | GREENBRIER RAIL SERVICES - Springfield, OR                       |
| HCFC  | HERZOG RAILROAD SERVICES, Falls City, NE                         |
| HCSJ  | HERZOG RAILROAD SERVICES, St. Joseph, MO                         |
| ICDI  | ILLINI CASTINGS, Danville, IL                                    |
| KRRM  | KIMBALL RAILCAR SERVICES, Kimball, MN                            |
| LCDM  | LINEA COAHUILA DURANGO S.A. DE C.V.                              |
| LRS   | LIBERTY RAILWAY SERVICES, Pueblo West, CO                        |
| LSP   | LOCOMOTORAS SAN LUIS, S.A. DE C.V.                               |
| MEI   | METRO EAST INDUSTRIES, Fairview Heights, IL                      |
| MMA   | MONTREAL MAINE AND ATLANTIC RAILWAY, Derby, ME                   |
| MMRS  | MEXICO MERIDIAN RAIL SERVICES, S.A. DE C.V.                      |
| MRC   | WATCO MECHANICAL SERVICES, Council Bluffs, IA                    |
| MRJ   | WATCO MECHANICAL SERVICES, Junction City, KS                     |
| MRN   | WATCO MECHANICAL SERVICES, Neodesha, KS                          |
| MRS   | WATCO MECHANICAL SERVICES, Scottsville, TX                       |
| MRT   | WATCO MECHANICAL SERVICES, Hockley, TX                           |
| MRW   | WATCO MECHANICAL SERVICES, Wood River, IL                        |
| MRZ   | WATCO MECHANICAL SERVICES, Zwolle, LA                            |
| MWR   | MIDWEST RAILCAR REPAIR, Brandon, SD                              |
| ON    | ONTARIO NORTHLAND TRANSPORTATION COMMISSION, North Bay, ON       |
| OVR   | OHIO VALLEY RAILCAR CORPORATION, Wheatland, PA                   |
| PRAN  | PROGRESS RAIL SERVICES, Alliance, NE                             |
| PRAT  | PROGRESS RAIL SERVICES (Formerly Amarillo Railcar), Amarillo, TX |
| PRBA  | PROGRESS RAIL SERVICES, Boaz, AL                                 |
| PRCK  | PROGRESS RAIL SERVICES, Corbin, KY                               |
| PRDK  | PROGRESS RAIL SERVICES, Covington, KY                            |
| PRE   | PROCOR LIMITED, Edmonton, Alberta                                |
| PRJA  | PROCOR, LIMITED, Joffre, Alberta                                 |
| PRNN  | PROGRESS RAIL SERVICES, Northport, NE                            |
| PRPW  | PROGRESS RAIL SERVICES, Portage, WI                              |
| PRR   | PROCOR LIMITED, Regina, SK                                       |
| PRRW  | PROGRESS RAIL SERVICES, Rock Springs, WY                         |
| PRS   | PROCOR LIMITED, Sarnia, Ontario                                  |
| PRSN  | PROGRESS RAIL SERVICE, Sidney, NE                                |
| PRTX  | PROGRESS RAIL SERVICES, Waskom, TX                               |
| PRWB  | PROGRESS RAIL SERVICES, Bill, WY                                 |
| PRWW  | PROGRESS RAIL TRANSCANADA CORP., Winnipeg, Manitoba              |
| RI    | RAILWAY & INDUSTRIAL SERVICES, Joliet, IL                        |
| RJRM  | AMERICAN INDUSTRIES - MIDWEST, Independence, MO                  |
| SFPE  | PROGRESS RAIL SERVICES DE MEXICO S.A. DE C.V.                    |
| SRCO  | SEABOARD RAILCAR REPAIR AND CLEANING, Hugo, OK                   |

| Value | Description  |
|-------|--|
| SRSV  | SAFETY RAILWAY SERVICE, Victoria, TX                                 |
| SRSX  | SOUTHEASTERN RAILWAY SERVICES, Magnolia, MS                          |
| STR   | SPRINGFIELD TERMINAL RAILWAY COMPANY, Waterville, ME                 |
| TERG  | TALLERES DE EQUIPO RODANTE DEL BAJIO, S.A.                           |
| TETX  | TEXANA TANK CAR & MFG., Nash, TX                                     |
| TIVT  | TRINITY RAILCAR REPAIR, INC., Vidor, TX                              |
| TRAL  | TRANSCO RAILWAY PRODUCTS, Logansport, IN                             |
| TRAM  | TRANSCO RAILWAY PRODUCTS, Miles City, MT                             |
| TRAO  | TRANSCO RAILWAY PRODUCTS, Oelwein, IA                                |
| TTCO  | TTX COMPANY, WESTERN REPAIR AND RECONDITIONING CENTER, Mira Loma, CA |
| TTHD  | TTX COMPANY-HAMBURG DIVISION, North Augusta, SC                      |
| UTCW  | UNION TANK CAR COMPANY, Evanston, WY                                 |
| WAT   | WATCO MECHANICAL SERVICES, Coffeyville, KS                           |
| WATH  | WATCO MECHANICAL SERVICES, Houston, TX                               |
| WATJ  | WATCO MECHANICAL SERVICES, Jacksonville, FL                          |
| WATP  | WATCO MECHANICAL SERVICES, Pittsburg, KS                             |

**Validation Rules:**

- Reconditioned facility is required for reconditioned side frames.

**SIDEFAME\_C513**

**Element Name:**

Side Frame Classification / Recondition Date

**Data Type:** Date

**Data Length:** 10

**Description:**

Date side frame was classified or reconditioned. In MM-DD-CCYY format.

**Validation Rules:**

- Side frame reconditioned date can't be after today.
- Reconditioned date is required for reconditioned side frames.

**SIDEFAME\_C514**

**Element Name:**

Side Frame Condition Code (●)

**Data Type:** Text

**Data Length:** 1

**Description:**

Side frame condition code - new, secondhand, or reconditioned.

**Valid Values:**

| Value | Description |
|-------|-------------|
| 1     | New         |
| 2     | Secondhand  |

| Value | Description   |
|-------|---------------|
| 3     | Reconditioned |

**SIDEFAME\_C515**

**Element Name:**

Column Wear Plate Installed

**Data Type:** Text

**Data Length:** 1

**Description:**

Indicates that a column wear plate was installed.

**Valid Values:**

| Value | Description |
|-------|-------------|
| Y     | Yes         |
| N     | No          |

**SIDEFAME\_C516**

**Element Name:**

Nominal Wheel Base (●)

**Data Type:** Text

**Data Length:** 2

**Description:**

Indicates the nominal wheel base of the side frame.

**Valid Values:**

| Value | Description |
|-------|-------------|
| 61    | 61 inches   |
| 63    | 63 inches   |
| 66    | 66 inches   |
| 68    | 68 inches   |
| 70    | 70 inches   |
| 72    | 72 inches   |

**SIDEFAME\_C517**

**Element Name:**

Button Count (●)

**Data Type:** Numeric

**Data Length:** 1

**Description:**

Button count.



**Valid Values:**

| Value | Description |
|-------|-------------|
| 1     | 1 button    |
| 2     | 2 buttons   |
| 3     | 3 buttons   |
| 4     | 4 buttons   |
| 5     | 5 buttons   |

---

**SIDEFAME\_C518****Element Name:**

Side Frame Cast Year (●)

**Data Type:** Numeric**Data Length:** 2**Description:**

Year cast on side frame. In YY format.

## Slack Adjusters

### SLAKADJUST\_C007

**Element Name:**

Component Defect Flag

**Data Type:** Text

**Data Length:** 1

**Description:**

Indicates that a component is flagged with a defect. This can only be set by a Railinc Application Administrator.

**Valid Values:**

| Value | Description |
|-------|-------------|
| Y     | Yes         |

### SLAKADJUST\_C010

**Element Name:**

Component Registration Date

**Data Type:** Text

**Data Length:** 10

**Description:**

Component Registration Date

### SLAKADJUST\_C901

**Element Name:**

Slack Adjuster Condition Code (●)

**Data Type:** Text

**Data Length:** 1

**Description:**

New or Reconditioned Slack Adjuster

**Valid Values:**

| Value | Description   |
|-------|---------------|
| 1     | New           |
| 3     | Reconditioned |

### SLAKADJUST\_C902

**Element Name:**

AAR OEM/Recon Facility Code (●)

**Data Type:** Text

**Data Length:** 12

**Description:**

QA Code for OEM/Reconditioner of a Slack Adjuster

**Valid Values:**

| Value | Description   |
|-------|---|
| CWE   | CARDWELL WESTINGHOUSE COMPANY, Chicago, IL                          |
| DRBI  | DESIGNING AND RAILROAD MANUFACTURING COMPANY, INC., Blue Island, IL |
| EN    | ELLCON NATIONAL, Greenville, SC U.S.A.                              |
| GMWS  | GRAHAM-WHITE MANUFACTURING COMPANY, Shreveport, LA                  |
| GTI   | GRIFFIN TECHNOLOGY, INC., Alexandria, AL                            |
| MPC   | MOTIVE POWER INC., Boise, ID  |
| NYKC  | NEW YORK AIR BRAKE, Riverside, MO USA                               |
| NYNY  | NEW YORK AIR BRAKE CO., Watertown, NY USA                           |
| NYON  | NEW YORK AIR BRAKE CO., Kingston, ON Canada                         |
| PREM  | PREMTEC INC, Salisbury, NC  |
| PRBA  | PROGRESS RAIL SERVICES, Boaz, AL                                    |
| CRSI  | RAIL EXCHANGE FABRICATORS, LLC, Chicago Heights, IL                 |
| RRIV  | RED RIVER AIR BRAKE INC, Winnipeg, MB                               |
| SKFT  | SKF Technologies (India) Private Limited, Ahmedabad Gujarat         |
| WACA  | WABTEC GLOBAL SERVICES, Carson City, NV                             |
| WASC  | WABTEC GLOBAL SERVICES, Columbia, SC                                |
| WAPQ  | WABTEC GLOBAL SERVICES, Lachine, PQ                                 |

### SLAKADJUST\_C903

**Element Name:**

Slack Adjuster Stamped Year

**Data Type:** Numeric

**Data Length:** 2

**Description:**

Year stamped on the outside of the Slack Adjuster

**Validation Rules:**

- Slack Adjuster Stamped Year is Required for New Slack Adjusters

### SLAKADJUST\_C904

**Element Name:**

Slack Adjuster Stamped Month

**Data Type:** Numeric

**Data Length:** 2

**Description:**

Month stamped on the outside of the Slack Adjuster

**Validation Rules:**

- Slack Adjuster Stamped Month is Required for New Slack Adjusters

- Slack Adjuster Stamped Month must be between 1 and 12

**SLAKADJUST\_C905**

**Element Name:**

Slack Adjuster Recondition Date

**Data Type:** Date

**Data Length:** 10

**Description:**

Date the slack adjuster was reconditioned

**Validation Rules:**

- Slack Adjuster Reconditioned Date is Required for Reconditioned Slack Adjusters
- Slack Adjuster Reconditioned Date is Not Required for New Slack Adjusters
- Slack Adjuster Reconditioned Date can't be after Today

**SLAKADJUST\_C906**

**Element Name:**

Slack Adjuster AAR Group

**Data Type:** Text

**Data Length:** 2

**Description:**

AAR Group

**Valid Values:**

| Value | Description        |
|-------|--------------------|
| A     | Group A - Obsolete |
| B     | Group B - Obsolete |
| C     | Group C            |
| D     | Group D            |
| E     | Group E            |
| F     | Group F            |
| G     | Group G - Obsolete |
| H     | Group H            |
| J     | Group J            |
| K     | Group K            |
| L     | Group L            |
| M     | Group M            |
| N     | Group N            |
| O     | Group O            |
| P     | Group P            |
| Q     | Group Q            |
| R     | Group R            |

**Validation Rules:**

- Slack Adjuster AAR Group is Required

- Slack Adjuster AAR Group is required for New Slack Adjusters when the Group is not E or R and the Manufacturer is not Ellcon

**SLAKADJUST\_C907**

**Element Name:**

OEM Model Number (●)

**Data Type:** Text

**Data Length:** 20

**Description:**

Manufacturer model number

**Valid Values:**

| Value          | Description          |
|----------------|----------------------|
| 1340           | No. 1340             |
| 1480           | Model 1480           |
| 4000           | Model 4000           |
| 1700           | Model 1700           |
| 1250           | Model 1250           |
| D              | Type D               |
| 6825           | Model 6825           |
| 6800           | Model 6800           |
| DRV-2USA-DJ    | Model DRV 2USA-DJ    |
| DRV-2-1-USA-DJ | Model DRV 2-1-USA-DJ |
| 2000DJ         | Model 2000 DJ        |
| 4600DJ         | Model 4600DJ         |
| 1900DJ         | Model 1900DJ         |
| 5000DJ         | Model 5000DJ         |
| 5001DJ         | Model 5001DJ         |
| 2100DJ         | Model 2100DJ         |
| 2300DJ         | Model 2300DJ         |
| KRD-2A-500-AR  | KRD-2A-500-AR        |
| KRD-482-E      | KRD-482-E            |
| DRV-2          | Type DRV-2           |
| 2000           | Model 2000           |
| 4500M          | Model 4500M          |
| 1900           | Model 1900           |
| FFA            | Type FFA             |
| B              | Type B               |
| 2000-R         | Model 2000-R         |
| DRV-2-101KDJ   | Model DRV-2-101KDJ   |
| 9100DJ         | Model 9100DJ         |
| 5002DJS        | Model 5002DJS        |
| 4              | Model 4              |
| 5006-DJ        | Model 5006-DJ        |
| 10-10S         | Model 10-10S         |
| 9100-12        | Model 9100-12        |
| 7              | Model 7              |
| 5              | Model 5              |
| 7100-10        | Model 7100-10        |
| 7100-21        | Model 7100-21        |
| TTC-357        | TTC-357              |
| KRD-133L       | KRD-133L             |
| 7D             | Model 7D             |
| 5D             | Model 5D             |
| 7100-30        | Model 7100-30        |
| 7100-40        | Model 7100-40        |

| Value       | Description       |
|-------------|-------------------|
| TTC-356     | TTC-356           |
| TTC-356-E   | TTC-356-E         |
| 7100-26-26R | Model 7100-26/26R |
| 7100-22-22R | Model 7100-22/22R |
| 7100-25-25R | Model 7100-25/25R |
| 7100-28-28R | Model 7100-28/28R |
| C-1000-DJ   | Model C-1000-DJ   |
| 85A         | Model 85A         |
| 7100-35     | Model 7100-35     |
| KRD-482-R   | KRD-482-R         |
| 2500DJ      | Model 2500DJ      |

**Validation Rules:**

Slack Adjuster Model Number does not match to its corresponding Manufacturer

---

**SLAKADJUST\_C908**

**Element Name:**

Slack Adjuster Manufacturer (●)

**Data Type:** Text

**Data Length:** 20

**Description:**

Manufacturer of the slack adjuster

**Valid Values:**

| Value | Description                    |
|-------|--------------------------------|
| AJ    | Ajax-Consolidated Company      |
| AM    | American SAB Company           |
| EL    | Elcon-National, Inc            |
| NY    | New York Air Brake Co          |
| SL    | Sloan Valve Co                 |
| TR    | Triax-YSD                      |
| UN    | Universal Railway Devices Co   |
| WS    | Westinghouse Air Brake Company |

---

**SLAKADJUST\_C909**

**Element Name:**

Serial Number (●)

**Data Type:** Text

**Data Length:** 15

**Description:**

Slack Adjuster serial number

---

**SLAKADJUST\_C910**

**Element Name:**

MFG Configuration Code

**Data Type:** Text

**Data Length:** 6

**Description:**

Slack Adjuster Configuration Code

**Validation Rules:**

- Slack Adjuster Configuration Code is Required for New York Air Brake Slack Adjusters.

## Wheelsets

### Wheelset\_C003

**Element Name:**

Component AAR Facility Code (●)

**Data Type:** Text

**Data Length:** 4

**Description:**

4-letter code uniquely identifying the facility where the component was originated.

**Valid Values:**

| Value | Description   |
|-------|---|
| AADC  | AMTRAK-ACELA, Washington, DC                        |
| ABG   | AMTRAK, Beech Grove, IN                             |
| ACI   | AMTRAK, Chicago, IL                                 |
| ACVV  | ACF INDUSTRIES, LLC, Huntington, WV                 |
| AD    | VALDUNES, SAS, Valenciennes, Dunkerque FRANCE       |
| ADC   | AMTRAK, Washington, DC                              |
| AL    | ALASKA RAILROAD CORPORATION, Anchorage, AK          |
| ALA   | AMTRAK, Los Angeles, CA                             |
| AMA   | AMTRAK, Boston, MA                                  |
| AMFL  | AMTRAK, Hialeah, FL                                 |
| AMIS  | AMERICAN INDUSTRIES, Sharon, PA                     |
| AMOC  | AMTRAK, Oakland, CA                                 |
| AMSW  | AMTRAK, Seattle, WA                                 |
| ANY   | AMTRAK, Long Island, NY                             |
| ARIP  | AMERICAN RAILCAR INDUSTRIES, Paragould, AR          |
| ARNY  | AMTRAK, Rensselaer, NY                              |
| ATCF  | ALSTOM TRANSPORT, Le Creusot Cedex, France          |
| AW    | AMTRAK, Wilmington, DE                              |
| AWSI  | ALLIANCE WHEEL SERVICES LLC, Washington, IL         |
| BALS  | SC SMR S.A. / Mecanoexportimport SA Bucuresti, Bals |
| BNN   | BNSF RAILWAY, Lincoln, NE                           |
| CNPG  | CN RAIL, Prince George, BC                          |
| CNTO  | CN RAIL, Concord, ON Canada                         |
| CNW   | CN TRANSCONA MAIN SHOPS, Winnipeg, MB Canada        |
| CPS   | CPS ENERGY, San Antonio, TX                         |
| CPWW  | Canadian Pacific                                    |
| EFDN  | EQUIPOS FERROVIARIOS DEL NORTE S.A. de C.V.         |
| EFDS  | EQUIPOS FERROVIARIOS DEL SURESTE, S.A. de C.V.      |
| FCAR  | FREIGHT CAR AMERICA, Roanoke, VA                    |
| FRNC  | FRIT CAR & EQUIPMENT, Bridgeton, NC                 |
| FXEG  | FERROCARRIL MEXICANO S.A. DE C.V.                   |
| GELS  | GETS LOCOMOTIVE SERVICES NORESTE, S.A. de C.V.      |
| GNCF  | GUNDERSON CONCARRIL S.A. de C.V.                    |
| GRSM  | GREENBRIER RAIL SERVICES - MACON, GA                |
| GRSN  | GREENBRIER RAIL SERVICES - HERSHEY, NE              |
| GUAR  | GREENBRIER RAIL SERVICES - PINE BLUFF, AR           |
| GUN   | GUNDERSON, LLC, Portland, OR                        |
| GUNW  | GREENBRIER RAIL SERVICES - Tacoma, WA               |
| LI    | LONG ISLAND RAILROAD, Hollis, NY                    |
| MEI   | METRO EAST INDUSTRIES, Fairview Heights, IL         |
| MMA   | MONTREAL MAINE AND ATLANTIC RAILWAY, Derby, ME      |

| Value | Description   |
|-------|---|
| MNX   | METRO NORTH COMMUTER RAIL DIV., Croton-on-Hudson, NY            |
| MPC   | MOTIVEPOWER INC., Boise, ID                                     |
| MSS   | MULTI SERVICE SUPPLY DIVISION, Leetsdale, PA                    |
| MWSC  | GREENBRIER RAIL SERVICES - SAN BERNARDINO, CA                   |
| MWSI  | GREENBRIER RAIL SERVICES - CHICAGO HEIGHTS, IL                  |
| MWSK  | GREENBRIER RAIL SERVICES - KANSAS CITY, KS                      |
| MWSM  | MERIDIAN WHEEL SERVICES   |
| MWSP  | GREENBRIER RAIL SERVICES - LEWISTOWN, PA                        |
| MWST  | GREENBRIER RAIL SERVICES - CORSICANA, TX                        |
| NACA  | NATIONAL ALABAMA CORPORATION, Cherokee, AL                      |
| NJT   | NJ TRANSIT RAIL OPERATIONS, Kearny, NJ                          |
| NRC   | NRE - WHEELWORKS, Milwaukee, WI                                 |
| NSC   | NATIONAL STEEL CAR, Hamilton, ON                                |
| NTSK  | NEWTEC RSI CO., Seoul, Korea                                    |
| NYC   | NEW YORK CITY TRANSIT, Brooklyn, NY                             |
| ON    | ONTARIO NORTHLAND TRANSPORTATION COMMISSION, North Bay, ON      |
| ORS   | ORX RAILWAY CORPORATION, Tipton, PA                             |
| OVR   | OHIO VALLEY RAILCAR, Wheatland, PA                              |
| PMCB  | PENN MACHINE COMPANY, Blairsville, PA                           |
| PRBA  | PROGRESS RAIL SERVICES, Boaz, AL                                |
| PRLK  | PROGRESS RAIL SERVICES, Louisville, KY                          |
| PRSC  | PROGRESS RAIL SERVICES, Jackson, SC                             |
| PRSN  | PROGRESS RAIL SERVICE, Sidney, NE                               |
| PRTX  | PROGRESS RAIL SERVICES, Waskom, TX                              |
| PRWW  | PROGRESS RAIL TRANSCANADA, Winnipeg, Manitoba                   |
| PRXC  | PROGRESS RAIL, Mojave, CA                                       |
| PRXI  | PROGRESS RAIL SERVICES, East Chicago, IN                        |
| PVMQ  | PROGRESS RAIL TRANSCANADA, Lachine, PQ                          |
| PVRC  | PROGRESS VANGUARD, Rocklin, CA                                  |
| PYSC  | PRODUCTOS Y SERVICIOS DEL CENTRO, S.A. DE C.V.                  |
| RELI  | RELCO LOCOMOTIVES, Albia, IA                                    |
| RW    | R&W MACHINE DIVISION, Bedford Park, IL                          |
| SFM   | SERVICIOS FERROVIARIOS DE NORTE AMERICA, Monterrey, Mexico      |
| SFPE  | PROGRESS RAIL SERVICES DE MEXICO, Empalme Escobedo, GTO         |
| SRQC  | SAGUENAY RAILWAY, Jonquiere, PQ                                 |
| SRSV  | SAFETY RAILWAY SERVICE, Victoria, TX                            |
| STR   | SPRINGFIELD TERMINAL RAILWAY, Waterville, ME                    |
| TETX  | TEXANA TANK CAR, Nash, TX                                       |
| THMC  | TAIYUAN HEAVY INDUSTRY, Taiyuan City, Shanxi Province           |
| TITX  | STANDARD FORGED PRODUCTS, Dallas, TX                            |
| TMMX  | TRINITY NORTH AMERICA FREIGHT CAR, Monclova, Coahuila           |
| TT    | TEXAS TANK CAR WORKS, San Angelo, TX                            |
| TTHD  | TTX COMPANY, North Augusta, SC                                  |
| UTC   | UTC/RAS, Morton, PA   |
| UTGM  | CALDER UTC RAIL S.A. de C.V. á MARKETING INDUSTRIAL, S.A. de C. |
| WWCA  | WHEELWORX, Calera, AL   |

---

**Wheelset\_C004****Element Name:**

Component Assembly Timestamp (●)

**Data Type:** Timestamp**Data Length:** 20**Description:**

Date/time when wheelset assembly is finalized at the wheel shop.

**Validation Rules:**

- Component assembly date can't be after today
- Bearing manufacture date can't be after component assembly date
- Wheel manufacture date can't be after component assembly date
- Axle manufacture date can't be after component assembly date

---

**Wheelset\_C005****Element Name:**

Extended Wheelset Codes

**Data Type:** Text**Data Length:** 8**Description:**

These are internal codes, but designed to be included/documented in the AAR standards. The format is a fixed format with the first four characters being the company code with leading spaces and the last four characters being digits with leading zeros. When used, the codes and their general meaning must be communicated to the AAR so that conflicts do not arise. In the future, an example would be that Company XXXX used code XXX1 on axles produced with a special surface qualification. It is meant to enable quality improvements that would otherwise be very difficult to implement or track.

---

**Wheelset\_C006****Element Name:**

Component Vendor Shipment Information

**Data Type:** Text**Data Length:** 1000**Description:**

Optional. For use by component manufacturer/assembler to convey shipment information to customer

---

**Wheelset\_C007****Element Name:**

Component Defect Flag

**Data Type:** Text**Data Length:** 1**Description:**

Indicates that a component is flagged with a defect. This can only be set by a Railinc Application Administrator.

**Valid Values:**

| Value | Description |
|-------|-------------|
| Y     | Yes         |

---

**Wheelset\_C008****Element Name:**

Component Source

**Data Type:** Text**Data Length:** 15**Description:**

Indicates the Source of the Component Registration. Primarily used for backfill.

---

**Wheelset\_C009****Element Name:**

Partial Registration

**Data Type:** Text**Data Length:** 1**Description:**

Indicates if the registration is a partial registration. B=CRB backfill P=Field partial.

---

**Wheelset\_C010****Element Name:**

Component Registration Date

**Data Type:** Text**Data Length:** 10**Description:**

Component Registration Date

**Wheelset\_C103****Element Name:**

Wheel AAR Facility Code

**Data Type:** Text**Data Length:** 4**Description:**

Up to 4-character "QA Facility Code" maintained by AAR for M-1003 certifications.

**Valid Values:**

| Value | Description  |
|-------|--|
| ABCD  | DATONG ABC CASTING COMPANY, Datong City, Shanxi Province                 |
| AD    | VALDUNES, SAS, Valenciennes, Dunkerque FRANCE                            |
| AMCB  | AMSTED MAXION FOUNDRY AND RAILWAY EQUIPMENT, Cruzeiro, BRAZIL            |
| BALS  | SC SMR S.A. / Mecanoexportimport SA Bucuresti                            |
| BVVG  | BOCHUMER VEREIN VERKEHRSTECHNIK, Bochum, Germany                         |
| CAF   | CONSTRUCCIONES y AUXILIAR de FERROCARRILES, S. A.                        |
| GWC   | AMSTED RAIL COMPANY, Groveport, Ohio                                     |
| GWK   | AMSTED RAIL COMPANY, Keokuk, IA  |
| GWKC  | AMSTED RAIL COMPANY, Kansas City, KS                                     |
| GWV   | GRIFFIN WHEEL COMPANY, Winnipeg, Manitoba                                |
| IND   | RAIL WHEEL FACTORY - INDIAN RAILWAYS, Bangalore, Karnataka INDIA         |
| MAAN  | MAANSHAN IRON & STEEL COMPANY, Maanshan City, Anhui Province             |
| MSA   | MWL BRASIL RODAS & EIXOS (formerly mafersa), Cacapava, Sao Paulo Brasil  |
| NTDU  | NIZHNEDNEPROVSKY TUBE ROLLING PLANT, Dnepropetrovsk, Ukraine             |
| NTSR  | OPEN JOINT STOCK COMPANY, Nizhny Tagil, Sverdlovsk Russia                |
| OSRA  | ONESTEEL RAIL AND FORGE, Waratah, NSW Australia                          |
| OSW   | Nippon Steel & Sumitomo Metal Corporation                                |
| SCAW  | SCAW SOUTH AFRICA, UNION JUNCTION WORKS, Germiston, Gauteng South Africa |
| SMI   | SUMITOMO METAL INDUSTRIES, Osaka City, Osaka                             |
| SS    | STANDARD STEEL, Burnham, PA  |
| TER   | LUCCHINI RS S.p.A., Lovere, Bergamo ITALY                                |
| THMC  | TAIYUAN HEAVY INDUSTRY, Taiyuan City, Shanxi Province                    |
| TRZW  | TIANRUI GROUP FOUNDRY, Ruzhou City, Henan China                          |
| VYK   | PJSC "VYKSA STEEL WORKS", Vyksa, Nizhegorodskaya Region Russia           |
| XATC  | XINYANG AMSTED TONGHE WHEELS COMPANY, Xinyang City, Henan Prov           |
| ZDB   | BONATRANS GROUP, Bohumin, Czech Republic                                 |

**Wheelset\_C104****Element Name:**

Wheel Manufactured Timestamp

**Data Type:** Timestamp**Data Length:** 20**Description:**

Date that identifies the month, day, year and time of manufacture. Passes final QA inspection. Provided by the OEM. Not required for turned wheels.

**Validation Rules:**

- Wheel manufacture date can't be after today.
- Wheel manufactured timestamp is required for new wheels

**Wheelset\_C105****Element Name:**

Wheel Stamped Year (●)

**Data Type:** Numeric**Data Length:** 2**Description:**

Wheel stamped year from manufacture. Physically stamped on wheel.

**Wheelset\_C106****Element Name:**

Wheel Stamped Month (●)

**Data Type:** Numeric**Data Length:** 2**Description:**

Wheel stamped month from manufacture. Physically stamped on wheel.

**Validation Rules:**

- Wheel stamped month must be between 1 and 12

**Wheelset\_C107****Element Name:**

Wheel Stamped Manufacturer Code (●)

**Data Type:** Text**Data Length:** 2**Description:**

1 (prior to 3-78) or 2-letter code that identifies the manufacturer as defined by AAR Field Manual Rule 41 Table "Identification of Wheel Markings"

**Valid Values:**

| Value | Description       |
|-------|-------------------|
| SO    | ABC Rail (Calera) |

| Value | Description   |
|-------|---|
| SJ    | Abex (Johnstown)  |
| C     | Abex Rail (Calera)  |
| S     | Abex (St Louis Missouri)  |
| T     | Abex (Toledo, OH)   |
| TW    | Adtranz (England)   |
| CZ    | Amsted Maxion   |
| A     | Armco (Prior to March 1978)   |
| BV    | B.V.V. (Formerly VSG)   |
| BW    | Bethlehem   |
| B     | Bethlehem (Prior to March 1978)                                     |
| P     | British Steel, Tempelborough and Ickles Works (Prior to March 1978) |
| ZW    | Canadian Steel Wheel  |
| Z     | Canadian Steel Wheel (Prior to March 1978)                          |
| QW    | Construcciones y Auxiliar de Ferrocarriles (Spain)                  |
| FW    | Creusot-Loire (France)  |
| F     | Creusot-Loire (France, Prior to March 1978)                         |
| EW    | Edgewater   |
| E     | Edgewater (Prior to March 1978)                                     |
| CO    | DATONG ABC CASTING COMPANY, LTD.                                    |
| FM    | Fundiciones de Hierro Y Acero (Mexico)                              |
| GM    | Fundiciones de Hierro Y Acero (Mexico, Prior to March 1978)         |
| GB    | Griffin, Bensenville  |
| GS    | Griffin, Bessemer   |
| GL    | Griffin, Colton Plant   |
| GC    | Griffin, Columbus, 1982 and Later                                   |
| GI    | Griffin, Kansas City  |
| GK    | Griffin, Keokuk   |
| GY    | Griffin, ST. Hyacinthe  |
| GT    | Griffin, Winnipeg   |
| L     | Italsider (Italy, Prior to March 1978)                              |
| KW    | Klockner (Germany)  |
| K     | Klockner (Germany, Prior to March 1978)                             |
| LW    | Loveire (Italy)   |
| MW    | MAFERSA (Brazil)  |
| WI    | Ministry of Railways (India)  |
| HW    | MAANSHAN IRON & STEEL COMPANY LTD.                                  |
| NW    | NIZHNEDNEPROVSKY TUBE ROLLING PLANT                                 |
| CS    | ONESTEEL RAIL AND FORGE   |
| TY    | TAIYUAN HEAVY INDUSTRY CO., LTD.                                    |
| TZ    | TAIYUAN HEAVY INDUSTRY CO., LTD.                                    |
| AW    | SCAW Metals (South Africa)  |
| RW    | SMR Rolling Stock Assemblies (Romania)                              |
| SW    | Standard Steel  |
| JW    | Sumitomo (Japan)  |
| J     | Sumitomo (Japan, Prior to March 1978)                               |
| RZ    | TIANRUI GROUP FOUNDRY CO., LTD.                                     |
| G     | U.S. Steel (Gary Plant, Prior to March 1978)                        |
| CW    | U.S. Steel (Pittsburgh Plant)                                       |
| V     | Unisor (France, Prior to March 1978)                                |
| XX    | Unknown or not Legible  |
| VW    | Valdunes (France)   |
| VK    | Vyksa Steel Works   |
| TA    | XINYANG AMSTED TONGHE WHEELS COMPANY LTD.                           |
| DW    | Zelezarny A Dravtony Bohumin (Czech Republic)                       |

## Wheelset\_C108

### Element Name:

Wheel Stamped Class (●)

**Data Type:** Text

**Data Length:** 2

### Description:

The stamped wheel material class: B,C,D, or U. Also called the heat treat class. This term is used loosely and is not well defined, but is standard and consistent.

### Valid Values:

| Value | Description                  |
|-------|------------------------------|
| B     | Heat Treated Wheels          |
| C     | Heat Treated Wheels          |
| D     | Alloy Wheels                 |
| U     | Non-Heat Treated or Unmarked |

### Validation Rules:

- Both wheels must have the same stamped class

## Wheelset\_C109

### Element Name:

Wheel Rim Thickness Side Scale Reading (●)

**Data Type:** Numeric

**Data Length:** 2

### Description:

2-digit number reporting the measured thickness of the rim, in 1/16th of an inch, using standard steel wheel gauge. For example, a reported reading of 24 = 24/16" rim thickness.

## Wheelset\_C110

### Element Name:

Wheel Finger Gauge Reading (●)

**Data Type:** Numeric

**Data Length:** 2

### Description:

2-digit number reporting the flange thickness using Standard Steel Wheel Gauge.



**Wheelset\_C111****Element Name:**

Wheel Stamped Serial Number (●)

**Data Type:** Text**Data Length:** 8**Description:**

Serial number stamped into or cast on the wheel.

**Wheelset\_C112****Element Name:**

Wheel Heat/Melt

**Data Type:** Text**Data Length:** 8**Description:**

Up to 8 digits or characters according to manufacturer - no existing specification. Even if the heat or melt information is somehow contained in the stamped serial number, the applicable portion will be supplied in this field.

**Validation Rules:**

- Wheel heat/melt is required for new wheels

**Wheelset\_C113****Element Name:**

Wheel Nominal Diameter (●)

**Data Type:** Numeric**Data Length:** 2**Description:**

2-character wheel diameter size, based on wheel design stamped on wheel.

**Valid Values:**

| Value | Description   |
|-------|---------------|
| 28    | 28 inch wheel |
| 30    | 30 inch wheel |
| 33    | 33 inch wheel |
| 36    | 36 inch wheel |
| 38    | 38 inch wheel |

**Validation Rules:**

- Both wheels must have the same nominal diameter

**Wheelset\_C114****Element Name:**

Wheel Design Code (●)

**Data Type:** Text**Data Length:** 6**Description:**

1, 2 or 3-character code indicating wheel design stamped on the wheel. When combined with nominal wheel diameter, allows the rim type to be identified as 1-Wear (1W), 2-Wear (2W), or Multiple Wear.

**Valid Values:**

| Value | Description                       |
|-------|-----------------------------------|
| A     | A Wheel Design Designation        |
| CA    | CA Wheel Design Designation       |
| CB    | CB Wheel Design Designation       |
| CD    | CD Wheel Design Designation       |
| E     | E Wheel Design Designation        |
| CE    | CE Wheel Design Designation       |
| P     | P Wheel Design Designation        |
| CP    | CP Wheel Design Designation       |
| AX    | AX Wheel Design Designation       |
| CAX   | CAX Wheel Design Designation      |
| G     | G Wheel Design Designation        |
| CG    | CG Wheel Design Designation       |
| J     | J Wheel Design Designation        |
| CJ    | CJ Wheel Design Designation       |
| K     | K Wheel Design Designation        |
| CK    | CK Wheel Design Designation       |
| M     | M Wheel Design Designation        |
| CM    | CM Wheel Design Designation       |
| N     | N Wheel Design Designation        |
| CN    | CN Wheel Design Designation       |
| R     | R Wheel Design Designation        |
| CR    | CR Wheel Design Designation       |
| H     | H Wheel Design Designation        |
| CH    | CH Wheel Design Designation       |
| B     | B Wheel Design Designation        |
| C     | C Wheel Design Designation        |
| CC    | CC Wheel Design Designation       |
| X8    | AAR-X-8 Cast Steel                |
| CND   | Cast without Design Designation   |
| WND   | Wrot without Design Designation   |
| CS1   | AAR CS-1 Griffin                  |
| CS    | AAR CS Cast Steel                 |
| X7    | AAR-X-7 Cast Steel                |
| X9    | AAR-X-9 Cast Steel                |
| CS2   | AAR CS-2 Cast Steel, ex. Griffin  |
| X6    | AAR-X-6 Wrot Steel                |
| CSM   | AAR-CS-M Cast Steel               |
| S     | S Wrot Steel                      |
| X3    | AAR-X-3 Cast Steel                |
| ABEX  | Southern (ABEX) 50-ton Cast Steel |
| X2    | AAR-X-2 Cast Steel                |
| X4    | AAR-X-4 Cast Steel                |
| X5    | AAR-X-5 Cast Steel                |
| X15   | AAR-X-15 Wrot Steel               |

| Value | Description         |
|-------|---------------------|
| X11   | AAR-X-11 Wrot Steel |
| X12   | AAR-X-12 Cast Steel |
| X16   | AAR-X-16 Wrot Steel |
| X13   | AAR-X-13 Cast Steel |
| X17   | AAR-X-17 Wrot Steel |

**Validation Rules:**

- Both wheels must have the same design code
- Wheel design codes X3, X6, X7, X8, X9, X11, X12, X13, X15, X16, X17, S, CS, CS1, CS2, CSM, CND, WND, ABEX not allowed on full registrations

**Wheelset\_C115****Element Name:**

Wheel Plate Type (●)

**Data Type:** Text**Data Length:** 2**Description:**

CP or SP (Curved Plate or Straight Plate) The straight plate design is called a high stress design because heat input creates large stresses in these wheels. Curved plate designs are called low stress designs because they flex upon heating to allow relief.

**Valid Values:**

| Value | Description    |
|-------|----------------|
| SP    | Straight Plate |
| CP    | Curved Plate   |

**Validation Rules:**

- Both wheels must have the same plate type

**Wheelset\_C116****Element Name:**

Wheel Tape Size (●)

**Data Type:** Numeric**Data Length:** 6**Description:**

The circumference on a new wheel or newly turned wheel according to a wheel tape.

**Wheelset\_C117****Element Name:**

Wheel New Turned (●)

**Data Type:** Text**Data Length:** 1**Description:**

New or Turned (Re-profiled) wheels.

**Valid Values:**

| Value | Description |
|-------|-------------|
| N     | New         |
| T     | Turned      |

**Validation Rules:**

- Both wheels must be either new or turned

**Wheelset\_C118****Element Name:**

Wheel Rim Type

**Data Type:** Text**Data Length:** 3**Description:**

Rim Type derived by Railinc.

**Validation Rules:**

- Wheel design code and nominal diameter must match up to a valid rim type code

**Wheelset\_C119****Element Name:**

AAR Contour for Freight Car Wheels

**Data Type:** Text**Data Length:** 2**Description:**

The AAR tread contour the wheel is manufactured to for new or machined to for turned. This field must be provided by the wheel manufacturer or by the wheel shop and be included in the wheel set registration data sent to Railinc for all wheel sets.

**Valid Values:**

| Value | Description |
|-------|-------------|
| 1B    | 1B          |
| 2A    | 2A          |

**Wheelset\_C123****Element Name:**

Purchased Core Turned

**Data Type:** Text

**Data Length:** 1

**Description:**

Identify Purchased Core Turned Wheelsets

**Valid Values:**

| Value | Description |
|-------|-------------|
| Y     | Yes         |
| N     | No          |

**Validation Rules:**

- Wheelset\_C117 must be "T – Turned" for this element to be available.

## Wheelset\_C203

**Element Name:**

Bearing AAR OEM Reconditioner Facility Code (●)

**Data Type:** Text

**Data Length:** 4

**Description:**

4-letter code uniquely identifying the shop where the component was originated. Code is established by AAR. Identifies OEM, reconditioner, assembler, RIP track, where data was entered.

**Valid Values:**

| Value | Description  |
|-------|--|
| AW    | AMTRAK, Wilmington, DE                                     |
| BNN   | BNSF RAILWAY, Lincoln, NE                                  |
| BVA   | AMSTED RAIL COMPANY, Petersburg, VA                        |
| CBX   | COOPER BEARINGS, Georgetown, DE                            |
| CPWW  | Canadian Pacific   |
| FAGC  | SCHAEFFLER (NINGXIA) CO. LTD.                              |
| GRSE  | GREENBRIER RAIL SERVICES - ELIZABETHTOWN                   |
| LI    | LONG ISLAND RAILROAD, Hollis, NY                           |
| NEJI  | BRENCO - NBC, Jaipur, India                                |
| NSK   | NSK, Fujisawa, Japan                                       |
| NTNJ  | NTN, Kuwana City, MIE Japan                                |
| NYC   | NEW YORK CITY TRANSIT, Brooklyn, NY                        |
| ON    | ONTARIO NORTHLAND TRANSPORTATION COMMISSION, North Bay, ON |
| PLXK  | PHOENIX BEARINGS, Elizabethtown, KY                        |
| PRBK  | PRECISION ROLLER BEARING COMPANY, Elizabethtown, KY        |
| PRLR  | PROGRESS RAIL SERVICES, N. Little Rock, AR                 |
| PRNE  | PROGRESS RAIL SERVICES, Sparks, NV                         |
| PRWW  | PROGRESS RAIL TRANSCANADA, Winnipeg, Manitoba              |
| PYSC  | PRODUCTOS Y SERVICIOS DEL CENTRO, S.A. DE C.V.             |
| RBIL  | THE TIMKEN CORPORATION - Carlyle, IL                       |
| RBLK  | THE TIMKEN CORPORATION - LENEXA, KS                        |
| RBTN  | THE TIMKEN CORPORATION - Mascot, TN                        |
| RBUT  | THE TIMKEN CORPORATION - Ogden, UT                         |
| SGWG  | SCHAEFFLER TECHNOLOGIES GmbH, Wuppertal, Germany           |
| SKF   | SKF, INDUSTRIE S.p.A. Railways Division                    |

| Value | Description   |
|-------|---|
| SKFC  | BEIJING NANKOU SKF RAILWAY BEARINGS, Villar Perosa, Turin Italy     |
| SKFI  | SKF TECHNOLOGIES, Bangalore, Karnataka India                        |
| SKFT  | SKF Technologies (India) Private Limited, Ahmedabad Gujarat         |
| SRC   | SERVICIOS ROTATIVOS DE CALIDAD, S.A. de C.U.                        |
| T     | THE TIMKEN COMPANY, Mascot, TN                                      |
| TJI   | TIMKEN INDIA, Jamshedpur, India                                     |
| TSA   | TIMKEN SOUTH AFRICA, Benoni South, Gauteng Republic of South Africa |
| UTC   | UTC/RAS, Morton, PA   |
| UTGM  | CALDER UTC RAIL S.A. de C.V. á MARKETING INDUSTRIAL, S.A. de C.     |

**Validation Rules:**

- Can't register a wheelset that does not have 2 bearings.

## Wheelset\_C204

**Element Name:**

Bearing Manufacture Timestamp (●)

**Data Type:** Timestamp

**Data Length:** 20

**Description:**

Date and time that identifies the month, day and year of manufacture.

**Validation Rules:**

- Bearing manufacture date can't be after today.

## Wheelset\_C205

**Element Name:**

Bearing Cup Serial Number

**Data Type:** Text

**Data Length:** 8

**Description:**

Serial number stamped on the cup inside the bearing.

**Validation Rules:**

- Bearing cup serial number is required for new bearings.

## Wheelset\_C206

**Element Name:**

Bearing Cup Stamped Year

**Data Type:** Numeric

**Data Length:** 2

**Description:**

Year stamped on Cup inside Bearing.

**Validation Rules:**

- Bearing cup stamped year is required for new bearings.

**Wheelset\_C207****Element Name:**

Bearing Cup Stamped Month

**Data Type:** Numeric

**Data Length:** 2

**Description:**

Month Stamped on Cup inside Bearing

**Validation Rules:**

- Bearing cup stamped month must be between 1 and 12
- Bearing cup stamped month is required for new bearings

**Wheelset\_C208****Element Name:**

Bearing Nominal Diameter (●)

**Data Type:** Numeric

**Data Length:** 3

**Description:**

Nominal diameter of the bearing in inches.

**Valid Values:**

| Value | Description       |
|-------|-------------------|
| 5.0   | 5 inch Diameter   |
| 5.5   | 5.5 inch Diameter |
| 6.0   | 6 inch Diameter   |
| 6.5   | 6.5 inch Diameter |
| 7.0   | 7 inch Diameter   |

**Validation Rules:**

- Both bearings must have the same nominal diameter

**Wheelset\_C209****Element Name:**

Bearing Nominal Length (●)

**Data Type:** Numeric

**Data Length:** 4

**Description:**

Nominal length of the bearing in inches.

**Valid Values:**

| Value | Description    |
|-------|----------------|
| 8.0   | 8 inch Length  |
| 9.0   | 9 inch Length  |
| 10.0  | 10 inch Length |
| 11.0  | 11 inch Length |
| 12.0  | 12 inch Length |

**Validation Rules:**

- Both Bearings must have the same nominal length
- Bearing nominal diameter of 6.0 requires a nominal length of 8.0 or 11.0
- Bearing nominal diameter of 6.5 requires a nominal length of 9.0 or 12.0
- Bearing nominal diameter of 7.0 requires a nominal length of 9.0 or 12.0
- Bearing nominal diameter of 5.5 requires a nominal length of 10.0

**Wheelset\_C210****Element Name:**

Bearing Certificate Number (●)

**Data Type:** Text

**Data Length:** 3

**Description:**

Bearing certificate number

**Valid Values:**

| Value | Description            |
|-------|------------------------|
| 1     | Timken AP (Orange)     |
| 1A    | Timken AP (Orange)     |
| 5     | Brenco (Green)         |
| 5A    | Brenco (Green)         |
| 6     | Hyatt (Blue)           |
| 6A    | Hyatt (Blue)           |
| 6B    | Hyatt (Blue)           |
| 8     | Bower Roller Bearing   |
| 10    | NTN Corporation        |
| 10A   | NTN Titan (Purple)     |
| 11    | Nippon Seiko NSK       |
| 11A   | Nippon Seiko           |
| 12    | Nachi Fujikoshi        |
| 13    | FAG Kugelfischer (Red) |
| 14    | Koyo Seiko (White)     |
| 16    | Magnus Metal Division  |
| 19    | NTN Titan (Purple)     |
| 20    | Timken XP              |
| 21    | Hyatt                  |
| 22    | Nippon Seiko           |
| 23    | SKF (Yellow)           |
| 24    | Koyo Seiko MF          |
| 25    | Brenco XL              |

| Value | Description                      |
|-------|----------------------------------|
| 26    | FAG (Brown)                      |
| 27    | Timken                           |
| 28    | Brenco                           |
| 29    | Roller Bearing Industries (Gold) |
| 30    | SKF                              |
| 32    | FAG                              |

## Wheelset\_C211

**Element Name:**

Bearing New or Reconditioned (●)

**Data Type:** Text

**Data Length:** 1

**Description:**

Indicates new or reconditioned bearing.

**Valid Values:**

| Value | Description   |
|-------|---------------|
| N     | New           |
| R     | Reconditioned |

**Validation Rules:**

- Both bearings must be either new or reconditioned

## Wheelset\_C212

**Element Name:**

Extended Bearing Code

**Data Type:** Text

**Data Length:** 8

**Description:**

These are codes designed to support future requirements of the AAR standards. It is intended that this code would enable tracking and support premium designations that would otherwise be very difficult to implement or track.

## Wheelset\_C213

**Element Name:**

Bearing Seal Type (●)

**Data Type:** Text

**Data Length:** 8

**Description:**

These are codes designed to be aid with existing AAR standards that are not yet documented or are documented in a non-standard way.

**Valid Values:**

| Value    | Description                     |
|----------|---------------------------------|
| 8AMS0001 | Brenco DDL                      |
| 8AMS0002 | Brenco ST-212                   |
| 8AMS0003 | Brenco Efficiency Plus          |
| 8AMS0004 | Brenco Thin Gap                 |
| 8AMS0005 | Brenco Universal Dry Lock (UDL) |
| 8FED0001 | Federal Mogal                   |
| 8FAS0001 | FAG/Schaeffler                  |
| 8NTN0001 | NTN-Titan                       |
| 8SKF0001 | SKF GenII                       |
| 8SKF0002 | SKF CR-70113                    |
| 8SKF0003 | SKF LL                          |
| 8TIM0001 | Timken NT                       |
| 8TIM0002 | Timken HDL                      |
| 8TIM0003 | Timken AP-2 HDL                 |
| 8TIM0004 | Timken EcoTurn                  |
| 8TIM0005 | Timken Gen 2 HDL                |

## Wheelset\_C214

**Element Name:**

Bearing Grease Type (●)

**Data Type:** Text

**Data Length:** 8

**Description:**

These are codes designed to be aid with existing AAR standards that are not yet documented or are documented in a non-standard way.

**Valid Values:**

| Value    | Description                |
|----------|----------------------------|
| XOMX0001 | Exxon Arapen RB-320        |
| XOMX0002 | Timken Premium Rail Grease |
| SOEX0003 | Shell Alavnia EP-D         |
| SOEX0006 | Shell Alavnia DTR          |
| XOMX0004 | Shell SHC-100              |
| XOMX0005 | Shell SHC-221              |

**Wheelset\_C215****Element Name:**

Bearing Cage Type (●)

**Data Type:** Text**Data Length:** 8**Description:**

These are codes designed to be aid with existing AAR standards that are not yet documented or are documented in a non-standard way.

**Valid Values:**

| Value    | Description            |
|----------|------------------------|
| AARX0001 | All Makes Steel Cage   |
| AARX0002 | All Makes Polymer Cage |
| 8AMS0001 | Brenco Polymer         |
| 8AMS0002 | Brenco Steel           |
| 8AMS0003 | Brenco Steel           |
| 8AMS0004 | Brenco Polymer         |
| 8SKF0001 | SKF Steel              |
| 8SKF0002 | SKF Polymer            |
| 8SKF0003 | SKF Polymer            |
| 8TIM0001 | Timken Steel           |
| 8TIM0002 | Timken Polymer         |
| 8TIM0003 | Timken Steel           |
| 8TIM0004 | Timken Polymer         |

**Wheelset\_C216****Element Name:**

Bearing Backing Ring Type (●)

**Data Type:** Text**Data Length:** 8**Description:**

These are codes designed to be aid with existing AAR standards that are not yet documented or are documented in a non-standard way.

**Valid Values:**

| Value    | Description              |
|----------|--------------------------|
| AARX0001 | All makes Natural Fitted |
| AARX0002 | All makes Non-Fitted     |
| 8AMS0001 | Brenco Natural Fitted    |
| 8AMS0002 | Brenco Natural Fitted    |
| 8AMS0003 | Brenco Tru-Fit           |
| 8SKF0001 | SKF Natural Fitted       |
| 8SKF0002 | SKF Natural Fitted       |
| 8TIM0001 | Timken Natural Fitted    |
| 8TIM0002 | Timken Natural Fitted    |
| 8TIM0003 | Timken Sur-Fit           |
| 8TIM0007 | Timken Sure-Fit 2        |
| 8TIM0008 | Timken Sure-Fit 2        |

| Value    | Description         |
|----------|---------------------|
| 8TIM0009 | Timken Sure-Fit 2   |
| AARX0003 | All makes Universal |

**Wheelset\_C217****Element Name:**

Bearing Locking Plate

**Data Type:** Text**Data Length:** 8**Description:**

The code used to describe the type of locking plate use on the wheelset.

**Valid Values:**

| Value    | Description                               |
|----------|---|
| AARX0001 | Standard Locking Plate                    |
| 8STG0002 | Stage 8 Locking Plate, Alternate Standard |

**Wheelset\_C303****Element Name:**

Axle AAR OEM Reconditioner Facility Code

**Data Type:** Text**Data Length:** 4**Description:**

4-letter code uniquely identifying the shop where the product was last manufactured or reconditioned. Wheel shop is required to update the code if wheel shop reconditioned the axle.

**Valid Values:**

| Value | Description   |
|-------|---|
| ABG   | AMTRAK, Beech Grove, IN   |
| ACWV  | ACF INDUSTRIES, LLC, Huntington, WV                                   |
| AD    | Valdunes (formerly Creusot-Loire), Dunkerque, France                  |
| AL    | ALASKA RAILROAD CORPORATION, Anchorage, AK                            |
| AMIS  | AMERICAN INDUSTRIES, Sharon, PA                                       |
| ARIP  | AMERICAN RAILCAR INDUSTRIES, Paragould, AR                            |
| AW    | AMTRAK, Wilmington, DE  |
| AWSI  | ALLIANCE WHEEL SERVICES LLC, Washington, IL                           |
| AXPA  | AXIS LLC, Paragould, AR   |
| BALS  | S. C. SMR S.A., Bals, Romania   |
| BBEG  | Bahntechnik, Brand-Erbisdorf, Germany                                 |
| BFWP  | Bumar-Fablock S.A., Chrzanow, Poland                                  |
| BNN   | BNSF RAILWAY, Lincoln, NE   |
| BNPC  | CHINA BAOTOU NORTH RAILROAD PRODUCT COMPANY LTD.                      |
| BS    | Bethlehem Steel Corporation - Johnstown, PA                           |
| BSB   | British Steel, Templeborough Works, England (No Longer in Production) |
| BST   | British Steel, Trafford Park Works, England (No Longer in Production) |

| Value | Description   |
|-------|---|
| CAF   | Construcciones y Auxiliar de Ferrocarriles (CAF), Beasain, Spain                  |
| CBOO  | CARIBOO CHROME & HYDRAULICS, Prince George, BC                                    |
| CHT   | Jinxi Axle Company LTD. (Formerly Norinco Jinxi), Taiyuan, Shanxi Province, P.R.C |
| CNPG  | CN RAIL, Prince George, BC  |
| CNRC  | CNR Changchun Railway Vehicle Facilities Co.,Ltd., Jilin Province, China          |
| CNTO  | CN RAIL, Concord, ON Canada   |
| CNW   | CN TRANSCONA MAIN SHOPS, Winnipeg, MB Canada                                      |
| CO    | Cobrasma, Brazil (No Longer in Production)  |
| CPS   | CPS ENERGY, San Antonio, TX   |
| CPWW  | Canadian Pacific  |
| CYRT  | CSR Yangtse Rolling Stock Co. Ltd., Tongling City, Anhui Province PRC             |
| DDAP  | DDAP/RAX, Dneprderzhinsk, Ukraine   |
| DSS   | JSC Dneprospetsstal, Zaporozhye (DSS) Zaporozhye Ukraine                          |
| GELS  | GETS LOCOMOTIVE SERVICES NORESTE, S.A. de C.V.                                    |
| GNCF  | GUNDERSON CONCARRIL S.A. de C.V.  |
| GRSM  | GREENBRIER RAIL SERVICES - MACON, GA  |
| GUAR  | GREENBRIER RAIL SERVICES - PINE BLUFF, AR   |
| GUN   | GUNDERSON, LLC, Portland,OR   |
| GUNW  | GREENBRIER RAIL SERVICES - Tacoma, WA   |
| HM    | Huta Gliwice-Osie Sp. zo.o, Gliwice, Poland (No Longer in Production)             |
| HUWP  | Huta L. W. (Formerly Lucchini Poland), Warsaw, Poland (No Longer in Production)   |
| IND   | Rail Wheel Factory Indian Railways Yelahanka, Bagalore, India                     |
| JA    | Bethlehem Steel Corporation, Johnstown, PA (No Longer in Production)              |
| JAW   | Standard Forged Products Johnstown PA   |
| KLK   | Klockner, West Germany (No Longer in Production)                                  |
| LI    | LONG ISLAND RAILROAD, Hollis, NY  |
| MAM   | Makrotek, Mexico (No Longer in Production)  |
| MMA   | MONTREAL MAINE AND ATLANTIC RAILWAY, Derby, ME                                    |
| MRF   | STANDARD FORGED PRODUCTS, McKees Rocks, PA  |
| MSA   | MWL Rodas & Eixos LTDA (Formerly Mafersa), Cacapavz, Sao Paulo, Brazil            |
| MWSC  | GREENBRIER RAIL SERVICES - SAN BERNARDINO, CA                                     |
| MWSI  | GREENBRIER RAIL SERVICES - CHICAGO HEIGHTS, IL                                    |
| MWSK  | GREENBRIER RAIL SERVICES - KANSAS CITY, KS  |
| MWSM  | MERIDIAN WHEEL SERVICES   |
| MWSP  | GREENBRIER RAIL SERVICES - LEWISTOWN, PA  |
| MWST  | GREENBRIER RAIL SERVICES - CORSICANA, TX  |
| NACA  | NATIONAL ALABAMA CORPORATION  |
| NRC   | NRE - WHEELWORKS, Milwaukee, WI   |
| NSC   | NATIONAL STEEL CAR, Hamilton, ON  |
| NTDU  | PJSC INTERPIPE NIZHNE DNEPROVSKY TUBE ROLLING PLANT DNEPRO DNEPROPETROVSK REGION  |
| NTSK  | NEWTEC RSI CO., Seoul, Korea  |
| NYC   | NEW YORK CITY TRANSIT, Brooklyn, NY   |
| ON    | ONTARIO NORTHLAND TRANSPORTATION COMMISSION, North Bay, ON                        |
| ORS   | ORX RAILWAY CORPORATION, Tipton, PA   |
| OSW   | Nippon Steel & Sumitomo Metal Corporation   |
| PMCB  | PENN MACHINE COMPANY, Blairsville, PA   |
| PRBA  | PROGRESS RAIL SERVICES  |
| PRLK  | PROGRESS RAIL SERVICES, Louisville, KY  |
| PRLU  | LugCentroKuZ, Lugansk, Ukraine  |

| Value | Description  |
|-------|--|
| PRSC  | PROGRESS RAIL SERVICES, Jackson, SC                                  |
| PRSK  | PROGRESS RAIL SERVICES, Louisville, KY                               |
| PRSN  | PROGRESS RAIL SERVICE, Sidney, NE                                    |
| PRTX  | PROGRESS RAIL SERVICES, Waskom, TX                                   |
| PRWW  | PROGRESS RAIL TRANSCANADA, Winnipeg, Manitoba                        |
| PRXC  | PROGRESS RAIL, Mojave, CA  |
| PRXI  | PROGRESS RAIL SERVICES, East Chicago, IN                             |
| PVLN  | PROGRESS VANGUARD, Lincoln, NE                                       |
| PVMQ  | PROGRESS RAIL TRANSCANADA, Lachine, PQ                               |
| PYSC  | PRODUCTOS Y SERVICIOS DEL CENTRO, S.A. DE C.V.                       |
| QRRC  | Qiqihar Railway Rolling Stock Ltd., Qiqihar, P.R.C.                  |
| RIOO  | RONSCO INCORPORATED, Oakville, ON                                    |
| RW    | R&W MACHINE DIVISION, Bedford Park, IL                               |
| SF    | Standard Forgings (No Longer in Production)                          |
| SFSI  | Scot Forge, Clinton, Wisconsin (No Longer in Production)             |
| SMI   | Sumitomo Metal Industries LTD. Osaka, Japan                          |
| SRQC  | SAGUENAY RAILWAY, Jonquiere, PQ                                      |
| SS    | STANDARD STEEL, Burnham, PA  |
| STR   | SPRINGFIELD TERMINAL RAILWAY, Waterville, ME                         |
| SWA   | SWASAP Works, Germiston, South Africa                                |
| TER   | Lucchini Sidermeccanica SpA (Formerly Temi), Lovere, Italy           |
| THMC  | Taiyuan Heavy Industry CO., LTD, Taiyuan, Shanxi Province, P.R.C     |
| TITX  | STANDARD FORGED PRODUCTS, Dallas, TX                                 |
| TMMX  | TRINITY NORTH AMERICA FREIGHT CAR, Monclova, Coahuila                |
| TT    | TEXAS TANK CAR WORKS, San Angelo, TX                                 |
| TWL   | Hawker Siddeley, Trenton Canada (No Longer in Production)            |
| UFCR  | Ural Forge, Chebarkul, Russia  |
| USF   | United States Steel Corp. Fairfield Works (No Longer in Production)  |
| USH   | United States Steel Corp. Homestead Works (No Longer in Production)  |
| USI   | United States Steel Corp. Gary Works (No Longer in Production)       |
| USM   | US AXLE CORPORATION  |
| UTC   | UTC/RAS, Morton, PA  |
| UTGM  | CALDER UTC RAIL S.A. de C.V. á MARKETING INDUSTRIAL, S.A. de C.      |
| UVZR  | OJSC "RPC" "URALVAGONZAVOD", Vostochnoye Shosee, Nizhny Tagil Russia |
| V     | Valdunes (formerly Creusot-Loire) Valenciennes France                |
| WCNG  | Baotou, Inner Mongolia PRC   |
| WWCA  | WHEELWORX, Calera, AL  |
| ZDB   | Bonatrans a.s. (Formerly ZAD), Bohumin, Czech Republic               |

**Validation Rules:**

- Axle AAR facility code is required for new or reconditioned axles

**Wheelset\_C304****Element Name:**

Axle Manufacture Timestamp (●)

**Data Type:** Timestamp

**Data Length:** 20

**Description:**

Date and time that identifies the month, day and year when the roller bearing was most recently manufactured or reconditioned. Stamped on end of axle. Use actual day if given, otherwise use 1st of the month.

**Validation Rules:**

- Axle manufacture date can't be after today.

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## Wheelset\_C305

**Element Name:**

Axle Nominal Diameter (●)

**Data Type:** Numeric

**Data Length:** 3

**Description:**

Expression representing the axle journal diameter associated with the axle in inches

**Valid Values:**

| Value | Description       |
|-------|-------------------|
| 5.0   | 5 inch Diameter   |
| 5.5   | 5.5 inch Diameter |
| 6.0   | 6 inch Diameter   |
| 6.5   | 6.5 inch Diameter |
| 7.0   | 7 inch Diameter   |

**Validation Rules:**

- Axle nominal diameter must match bearing nominal diameter

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## Wheelset\_C306

**Element Name:**

Axle Nominal Length (●)

**Data Type:** Numeric

**Data Length:** 4

**Description:**

Expression representing the axle journal length associated with the axle in inches

**Valid Values:**

| Value | Description    |
|-------|----------------|
| 8.0   | 8 inch Length  |
| 9.0   | 9 inch Length  |
| 10.0  | 10 inch Length |
| 11.0  | 11 inch Length |
| 12.0  | 12 inch Length |

**Validation Rules:**

- Axle nominal length must match bearing nominal length
- Axle nominal diameter of 5.5 requires a nominal length of 10.0
- Axle nominal diameter of 6.0 requires a nominal length of 8.0 or 11.0
- Axle nominal diameter of 6.5 requires a nominal length of 9.0 or 12.0
- Axle nominal diameter of 7.0 requires a nominal length of 9.0 or 12.0

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## Wheelset\_C307

**Element Name:**

Axle AAR Condition Code (●)

**Data Type:** Numeric

**Data Length:** 2

**Description:**

Axle condition code

**Valid Values:**

| Value | Description   |
|-------|---------------|
| 1     | New           |
| 2     | Secondhand    |
| 3     | Reconditioned |

---

## Wheelset\_C308

**Element Name:**

Axle Serial Number and Heat ID

**Data Type:** Text

**Data Length:** 25

**Description:**

Serial number, stamped into the axle by the axle manufacturer combined with the heat identification number. Applies to new axles only.

**Validation Rules:**

- Axle serial number and heat id is required for new axles

---

## Wheelset\_C309

**Element Name:**

Axle AAR Type (●)

**Data Type:** Text

**Data Length:** 4



**Description:**

Indicator of axle as Raised Wheel Seat (RWS), for freight, or other types for passenger and locomotives.

**Wheelset\_C310****Element Name:**

Axle Grade (●)

**Data Type:** Numeric

**Data Length:** 1

**Description:**

Axle grade of steel based upon heat treatment - per M101 (F, G, and H currently) - previously called Axle classification.

**Valid Values:**

| Value | Description                             |
|-------|---|
| F     | Grade F, Double Normalized and Tempered |
| G     | Grade G, Quenched and Tempered          |
| H     | Grade H, Normalized Quench and Tempered |

**Wheelset\_C313****Element Name:**

Axle Body Design (●)

**Data Type:** Text

**Data Length:** 3

**Description:**

Description of axle design between wheel seats as standard tapered axle or wider, cylindrical design. Use in determination of "Premium" wheelset status.

**Valid Values:**

| Value | Description         |
|-------|---------------------|
| D     | D Axle Body Design  |
| E     | E Axle Body Design  |
| F     | F Axle Body Design  |
| F+    | F+ Axle Body Design |
| G     | G Axle Body Design  |
| K     | K Axle Body Design  |
| K+    | K+ Axle Body Design |
| L     | L Axle Body Design  |
| M     | M Axle Body Design  |

**Validation Rules:**

- Axle body design d must have nominal diameter of 5.5 and nominal length of 10
- Axle body design e must have nominal diameter of 6.0 and nominal length of 11
- Axle body design f or f+ must have nominal diameter of 6.5 and nominal length of 12
- Axle body design g must have nominal diameter of 7.0 and nominal length of 12
- Axle body design k or k+ must have nominal diameter of 6.5 and nominal length of 9

- Axle body design l must have nominal diameter of 6.0 and nominal length of 8.0
- Axle body design m must have nominal diameter of 7.0 and nominal length of 9

**Wheelset\_C314****Element Name:**

Axle Plating

**Data Type:** Text

**Data Length:** 8

**Description:**

These are internal codes, but designed to be included/documentated in the AAR standards. It is meant to enable quality improvements that would otherwise be very difficult to implement or track.

**Valid Values:**

| Value | Description                   |
|-------|-------------------------------|
| 1     | Dust Guard Plating            |
| 2     | Seal Wear Ring Groove Plating |

**Wheelset\_C315****Element Name:**

AAR Extended Axle Codes

**Data Type:** Text

**Data Length:** 8

**Description:**

These are internal codes, but designed to be included/documentated in the AAR standards. It is meant to enable quality improvements that would otherwise be very difficult to implement or track.

**Wheelset\_C316****Element Name:**

Int Extended Axle Codes

**Data Type:** Numeric

**Data Length:** 8

**Description:**

These are internal codes, but designed to be included/documentated in the AAR standards. It is meant to enable quality improvements that would otherwise be very difficult to implement or track.

Int Extended Axle Codes are based on S-920 in AAR Manual of Standards and Recommended Practices.