



Umler[®] Component Registry Data Specification Manual



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Component Registry Elements

Mandatory elements for full registrations contain (●) beside the element name.

Mandatory elements for field registrations contain (●) beside the element name.

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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 the bolster was cast.

Valid Values:

Value	Description
ACCO	ALLIANCE CASTING COMPANY, Alliance OH
AMCB	Amsted Maxion Foundry & Railway Equipment (no longer in production)
AMFB	Amsted Maxion Fundicao E Equipmentos Ferroviarios S/A, Cruzeiro, Brazil
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, Hildago
ASFZ	ZHUZHOU ABC RAIL PRODUCTS CO. Zhuzhou, Hunan
BMBI	Brinco Manufacturing Incorporated, Bristol, Indiana
BS	Buckeye Steel Casting (no longer in production)
CHOT	STRATO-TONGYAO CASTING& FORGINGS CO., LTD. Chongqing CHINA
CKDC	SCB FOUNDRY, A.S., Slevarna Ceske , Budejovice
CRQR	STRATO – CRRC QIQIHAR ROLLING STOCK CO. LTD.
CSCO	COLUMBUS CASTINGS, Columbus, OH
DOM	ABC NACO Dominion (no longer in production)

Value	Description
HDC	Standard Car Truck Company Calcutta, India (no longer in production)
JRTC	JINXI RAILWAY ROLLING STOCK CO., Taiyuan, Shanxi
KCSM	Kansas City Southern de Mexico
KSKU	ASF-Keystone (Kremenchug Ukraine) (no longer in production)
LICI	Liaoning Shenche Casting Industry Co Ltd, Haicheng City, Liaoning Province
NCC	ABC NACO Cicero (no longer in production)
NCMP	ABC NACO Melrose Park (no longer in production)
PLLS	PROCTOR LIMITED - GUERNSEY, SASKATCHEWAN
PPCR	ASF-Keystone (Promlit Russia) (no longer in production)
PTBA	Barata Indonesia PT, Gresik Indonesia
QLR	CSR QISHUYAN LOCOMOTIVE CO., Qishuyan, Changzhou
RMRU	Rocky Mountain Railcar, Tooele, UT
RSRM	ROTHBURY STEEL, Rothbury, MI
SCAW	SCAW (No Longer in Production)
SCLI	STEELCAST LIMITED, Bhavnagar, Gujarat
SMI	SUMITOMO (No Longer in Production)
SN	ABC NACO Sahagun (no longer in production)
TFSP	TIKHVIN SANKT-PETERSBURG
TRZC	TIANRUI GROUP FOUNDRY CO., Ruzhou City, Henan
TXID	TEXMACO LTD- STEEL FOUNDRY DIVISION, Belgharia, W. Bengal
VFSM	VSF Industrias SA de CV
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)
9ASE	ASF-Keystone, East St. Louis (No Longer in Production)
9ASI	ASF-Indiana Harbor (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)
9NCI	National Castings Inc, Cicero IL (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)
9SEM	Sambre et Muse, France (No Longer in Production)
9SN	Sidena (No Longer in Production)

Value	Description
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 the 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

Validation Rules:

- AAR Design Feature Code must begin with B

BOLSTER_C404**Element Name:**

Bolster AAR ID Code (●)

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

AAR bolster ID number cast into the bolster

BOLSTER_C405**Element Name:**

MFG Pattern Number (●●)

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

Description:

Manufacturer pattern number cast into the bolster

BOLSTER_C406**Element Name:**

MFG Drawing Number

Data Type: Text

Data Length: 16

Description:

Manufacturer drawing number 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
AIRV	AMERICAN INDUSTRIES, Roanoke, VA
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
CPWW	CANADIAN PACIFIC, Winnipeg Manitoba
CTI	CALTRAX CORPORATION, Calgary, Alberta
DLGA	DLG INDUSTRIAS, S.A. DE C.V., Pesqueria, Nuevo Leon
DLGE	DLG INDUSTRIAS, S.A. DE C.V. Tlalnepantla, Estado de Mexico, Mexico
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

Value	Description
FCRW	FREIGHTCAR RAIL SERVICES, Wheatfield, IN
FRCO	WATCO MECHANICAL SERVICES, Omaha, NE
GACA	GATX RAIL CORPORATION - COLTON, CA
GAGA	GATX RAIL CORPORATION - WAYCROSS, GA
GAHT	GATX RAIL CORPORATION - HEARNE, TX
GATI	GATX RAIL CORPORATION - TERRE HAUTE, IN
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
IFMX	INGENIERIA FERROVIARIA
KCSM	KANSAS CITY SOUTHERN DE MEXICO
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
MRCI	AMERICAN INDUSTRIES MIDLAND DIVISION, JERSEYVILLE, IL
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

Value	Description
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
QRMI	QUALITY RAIL SERVICE, INC, Madison, IL
RI	RAILWAY & INDUSTRIAL SERVICES, Joliet, IL
RJRM	AMERICAN INDUSTRIES - MIDWEST, Independence, MO
RMRU	ROCKY MOUNTAIN RAILCAR, Tooele, UT
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.
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
TTCD	TTX COMPANY, WESTERN REPAIR AND RECONDITIONING CENTER, Mira Loma, CA
TTHD	TTX COMPANY-HAMBURG DIVISION, North Augusta, SC
TXUX	LUMINANT MINING-MONTICELLO RAILROAD, Mount Pleasant, TX
UPMO	UNION PACIFIC, DeSoto, MO
UTCW	UNION TANK CAR COMPANY, Evanston, WY
VSFM	VSF INDUSTRIES S.A. DE C.V.
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 cannot 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
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.

BOLSTER_C418**Element Name:**

Increased Life Component (ICL)

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

Indication of whether the component was reconditioned for Increased Component Life according to MSRP Section S, Specification M-214.

Valid Values:

Value	Description
Y	Yes
N	No

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, or 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:** 10**Description:**

Coupler Serial Number cast or stamped on coupler.

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, Hildago
BDPM	Blue Diamond Steel Casting, LLC, Pigeon, MI
BS	Buckeye Steel Casting (no longer in production)
CHOT	STRATO-TONGYAO CASTING& FORGINGS CO., LTD. Chongqing CHINA
CRMJ	STRATO-CRRC MUDANJIANG JINYUAN CASTINGS CO LTD
CSCO	COLUMBUS CASTINGS, Columbus, OH
CSF	Canadian Steel Foundry (no longer in production)
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)
NIGC	WORKHORSE RAIL- Qingdao Sansheshan Precision Casting, Baotou, China
NYIN	New York Air Brake, LLC – Steelcast, Ltd Bhavnagar
QUCH	Qingdao Lianshan Casting Co.,Ltd
SN	ABC NACO Sahagun (no longer in production)
SSBI	SIVYER STEEL CORPORATION, Bettendorf, IA
STIN	Strato-Kharagpur Metal Reforming Industries Pvt Ltd
TXID	TEXMACO LTD – STEEL FOUNDRY DIVISION, Belgharia, W. Bengal
WCNG	WORKHORSE RAIL, LLC - CNGC INNER MONGOLIA FIRST MACHINERY GROUP
WHRS	WORKHORSE RAIL, LLC - Shengyu Machinery Manufacturing Co., Ltd.
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
CPWW	CANADIAN PACIFIC, Winnipeg Manitoba
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 cannot 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:**

"RG" Marking Applied

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

Report Y (Yes) if marked "RG" according to M-212. Report N (No) if "RG" mark was not required to be applied according to M-212.

Valid Values:

Value	Description
Y	Yes
N	No

Validation Rules:

- If Coupler Condition Code (C601) is 1 or 2 then C615 cannot be reported
- If Coupler Condition Code (C601) is 3 then C615 must be reported

COUPLER_C616**Element Name:**

C to E Conversion TAG Applied or Present

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

Report Y (Yes) if Grade C coupler (as cast) has been converted to Grade E during reconditioning or a CE conversion tag is present per M-212. Report N (No) if Coupler as cast is Grade E (e.g. SE60EE, F70DE) OR if Grade C coupler as cast has not been converted to Grade E and the CE tag was not applied.

Valid Values:

Value	Description
Y	Yes
N	No

Validation Rules:

- If Coupler Condition Code (C601) is 1 then C616 cannot be reported
- If Coupler Condition Code (C601) is 2 or 3 then C616 must be reported
- If Coupler Condition Code (C601) is not reported for a field registered coupler then C616 must be reported by the classification facility and is to be included in the component registration data sent to Railinc

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, Reconditioned, or Upgraded Valve Portion Emergency Brake Valve Component.

Valid Values:

Value	Description
1	New
3	Reconditioned
U	Upgraded Valve Portion

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
GTI	GRIFFIN RAILCAR SERVICES - LINCOLN, AL
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
PREM	PREMTEC INC, Salisbury, NC
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
UTGM	CALDER UTC RAIL, SA DE CV - ZAPOPAN, JALISCO
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:**

Emergency brake valve MFG Serial Number.

EMERVALVE_C705**Element Name:**

Part Number (●●)

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

Emergency brake valve 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:**

Emergency brake 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

Value	Description
ABDX-L	ABDX-L-Emergency
ABDXR-L	ABDXR-L-Emergency
DB-20	DB-20-Emergency
DB-20-L	DB-20-L-Emergency

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, Reconditioned, or Upgraded Valve Portion Service Brake Valve Component.

Valid Values:

Value	Description
1	New
3	Reconditioned
U	Upgraded Valve Portion

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
GTI	GRIFFIN TECHNOLOGY, INC., Alexandria, AL
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
PREM	PREMTEC INC, Salisbury, NC
PYSC	PRODUCTOS Y SERVICIOS DEL CENTRO, S.A. DE C.V., San Luis Potosi, SLP Mexico
RGQC	RAILGD INC, NEW RICHMOND QC
RRIV	RED RIVER AIR BRAKE, Winnipeg, MB Canada
SFM	SERVICIOS FERROVIARIOS DE NORTE AMERICA , Monterrey, Mexico
STR	SPRINGFIELD TERMINAL RAILWAY COMPANY, Waterville, ME USA
UTGM	CALDER UTC RAIL, SA DE CV - ZAPOPAN, JALISCO
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:**

Service brake valve MFG Serial Number.

SERVVALVE_C805**Element Name:**

Part Number (●●)

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

Service brake valve 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:**

Service brake valve type

Valid Values:

Value	Description
ABD	ABD-Service
ABDT	ABDT-Service
ABDX	ABDX-Service
ABDXR	ABDXR-Service
DB-10	DB-10-Service
DB-10C	DB-10C-Service

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 Founndry & 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, Hildago
ASFZ	ZHUZHOU ABC RAIL PRODUCTS CO. Zhuzhou, Hunan
BMBI	Brinco Manufacturing Incorporated, Bristol, Indiana
BS	Buckeye Steel Casting (no longer in production)
CHOT	STRATO-TONGYAO CASTING& FORGINGS CO., LTD. Chongqing CHINA
CKDC	SCB FOUNDRY, A.S., Slevarna Ceske , Budejovice
CRQR	STRATO – CRRC QIQIHAR ROLLING STOCK CO. LTD.

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
KCSM	Kansas City Southern de Mexico
KSKU	ASF-Keystone (Kremenchug Ukraine) (no longer in production)
LICI	Liaoning Shenche Casting Industry Co Ltd, Haicheng City, Liaoning Province
NCC	ABC NACO Cicero (no longer in production)
NCMP	ABC NACO Melrose Park (no longer in production)
PLLS	PROCTOR LIMITED - GUERNSEY, SASKATCHEWAN
PPCR	ASF-Keystone (Promlit Russia) (no longer in production)
PTBA	Barata Indonesia PT, Gresik Indonesia
QLR	CSR QISHUYAN LOCOMOTIVE CO., Qishuyan, Changzhou
RMRU	Rocky Mountain Railcar, Tooele, UT
RSRM	ROTHBURY STEEL, Rothbury, MI
SCAW	SCAW (No Longer in Production)
SCLI	STEELCAST LIMITED, Bhavnagar, Gujarat
SMI	SUMITOMO (No Longer in Production)
SN	ABC NACO Sahagun (no longer in production)
SSBI	SIVYER STEEL CORPORATION, Bettendorf, IA
TFSP	TIKHVIN SANKT-PETERSBURG
TRZC	TIANRUI GROUP FOUNDRY CO., Ruzhou City, Henan
TXID	TEXMACO LTD- STEEL FOUNDRY DIVISION, Belgharia, W. Bengal
VSFM	VSF Industrias SA de CV
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)
9ASE	ASF-Keystone, East St. Louis (No Longer in Production)
9ASI	ASF-Indiana Harbor (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)

Value	Description
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)
9SEM	Sambre et Muse, France (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.

Validation Rules:

- AAR Design Feature Code must begin with F

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

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 side frame when it was heat treated. Newly manufactured side frames 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
AIRV	AMERICAN INDUSTRIES, Roanoke, VA
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
CPWW	CANADIAN PACIFIC, Winnipeg Manitoba
CTI	CALTRAX CORPORATION, Calgary, Alberta

Value	Description
DLGA	DLG INDUSTRIAS, S.A. DE C.V., Pesqueria, Nuevo Leon
DLGE	DLG INDUSTRIAS, S.A. DE C.V.Tlalnepantla, Estado de Mexico, Mexico
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
GACA	GATX RAIL CORPORATION - COLTON, CA
GAGA	GATX RAIL CORPORATION - WAYCROSS, GA
GAHT	GATX RAIL CORPORATION - HEARNE, TX
GATI	GATX RAIL CORPORATION - TERRE HAUTE, IN
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
IFMX	INGENIERIA FERROVIARIA
KCSM	KANSAS CITY SOUTHERN DE MEXICO
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
MRCI	AMERICAN INDUSTRIES MIDLAND DIVISION, JERSEYVILLE, IL
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

Value	Description
MWR	MIDWEST RAILCAR REPAIR, Brandon, SD
ON	ONTARIO NORTHLAND TRANSPORTATION COMMISSION, North Bay, ON
OVR	OHIO VALLEY RAILCAR CORPORATION, Wheatland, PA
PLLS	PROCTOR LIMITED - GUERNSEY, SASKATCHEWAN
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
QRMI	QUALITY RAIL SERVICE, INC, Madison, IL
RI	RAILWAY & INDUSTRIAL SERVICES, Joliet, IL
RJRM	AMERICAN INDUSTRIES - MIDWEST, Independence, MO
RMRU	ROCKY MOUNTAIN RAILCAR, Tooele, UT
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.
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
TTCD	TTX COMPANY, WESTERN REPAIR AND RECONDITIONING CENTER, Mira Loma, CA
TTHD	TTX COMPANY-HAMBURG DIVISION, North Augusta, SC
UPMO	UNION PACIFIC, DeSoto, MO
UTCW	UNION TANK CAR COMPANY, Evanston, WY
VSFM	VSF INDUSTRIES S.A. DE C.V.
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 cannot 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
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
62	62 inches
63	63 inches
65	65 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.

SIDEFAME_C519**Element Name:**

Increased Life Component (ICL)

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

Indication of whether the component was reconditioned for Increased Component Life according to MSRP Section S, Specification M-214.

Valid Values:

Value	Description
Y	Yes
N	No

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
CRSI	RAIL EXCHANGE FABRICATORS, LLC, Chicago Heights, IL
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
NYMX	KNORR-BREMSE RAIL MEXICO; ACUNA, COAHUILA CP
NYNY	NEW YORK AIR BRAKE CO., Watertown, NY USA
NYON	NEW YORK AIR BRAKE CO., Kingston, ON Canada
PRBA	PROGRESS RAIL SERVICES, Boaz, AL
PREM	PREMTEC INC, Salisbury, NC
RRIV	RED RIVER AIR BRAKE INC, Winnipeg, MB
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 cannot 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 - Obsolete
D	Group D - Obsolete
E	Group E
F	Group F - Obsolete
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 except for the manufacturer Ellcon Model 2000 DJ

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

Value	Description
7100-30	Model 7100-30
7100-40	Model 7100-40
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	Ellcon-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

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
ACWV	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.
FCAM	FCA-FASEMEX S. DE R. L. 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

Value	Description
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
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
PRSH	PROGRESS RAIL SERVICES, Henderson, NV
PRSN	PROGRESS RAIL SERVICES, 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

Value	Description
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 cannot be after today
- Bearing manufacture date cannot be after component assembly date
- Wheel manufacture date cannot be after component assembly date
- Axle manufacture date cannot 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/documentated 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. An example would be that Company XXXX used code XXX on wheel sets produced with a maximum runout of 0.003 in. 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:** 8**Description:**

These are internal codes but designed to be included in the AAR standard. 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, some codes may be mandatory. It is intended that this field be used to assist with improved shipping and inventory management by providing customers with relevant attributes about the process.

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_C011**Element Name:**

Purchased Core Turned

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

Identifies Purchased Core Turned wheelsets.

Valid Values:

Value	Description
Y	Yes
N	No

Validation Rules:

- The source CID information can not be associated to an active car or the associated car must be designated with SX for the transportation codes
- Wheelset_C117 must be "T – Turned" for this element to be available

Wheelset_C012**Element Name:**

Wheelset New or Turned

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

Field derived from element C117. Indicates on the wheelset component ID label in human-readable text whether the wheels are New (N) or Turned (T). The application of this item on the physical component ID label is optional.

Valid Values:

Value	Description
N	New
T	Turned

Validation Rules:

- C012 must be the same as C117

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
ARBA	AMSTED RAIL COMPANY, Bessemer, AL
BALS	SC SMR S.A. / Mecanoexportimport SA Bucuresti
BVVG	BOCHUMER VEREIN VERKEHRSTECHNIK, Bochum, Germany
CAF	CONSTRUCCIONES y AUXILIAR de FERROCARRILES, S. A.
EFB	ENTRETIEN FERROVIAIRE BOIVIN IN, SAGUENAY QC
GRMX	GUNDERSON-CONCARRIL, S.A. DE C.V. TETLA DE SOLIDARIDAD, TLAXCALA
GWC	AMSTED RAIL COMPANY, Groveport, Ohio
GWK	AMSTED RAIL COMPANY, Keokuk, IA
GWKC	AMSTED RAIL COMPANY, Kansas City, KS
GWW	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
PRMX	PROGRESS RAIL MAINTENANCE DE MEXICO SA DE CV, NUEVO LAREDO, TAMAULIPAS
PRSH	PROGRESS RAIL SERVICES, Henderson, NV
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

THMD	TAIYUAN HEAVY INDUSTRY CO., LTD, Taiyuan, Shanxi Province, P.R.C
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 cannot 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
A	Armco (Prior to March 1978)
AW	SCAW Metals (South Africa)
B	Bethlehem (Prior to March 1978)
BV	B.V.V. (Formerly VSG)
BW	Bethlehem
C	Abex Rail (Calera)
CO	DATONG ABC CASTING COMPANY, LTD.
CS	ONESTEEL RAIL AND FORGE
CW	U.S. Steel (Pittsburgh Plant)
CZ	Amsted Maxion
DW	Zelezarny A Dravtony Bohumin (Czech Republic)
E	Edgewater (Prior to March 1978)
EV	Evrax Group, Nizhni Tagi, Russia
EW	Edgewater
F	Creusot-Loire (France, Prior to March 1978)
FM	Fundiciones de Hierro Y Acero (Mexico)
FW	Creusot-Loire (France)
G	U.S. Steel (Gary Plant, Prior to March 1978)
GB	Griffin, Bensenville
GC	Griffin, Columbus, 1982 and Later
GI	Griffin, Kansas City
GK	Griffin, Keokuk
GL	Griffin, Colton Plant
GM	Fundiciones de Hierro Y Acero (Mexico, Prior to March 1978)
GS	Griffin, Bessemer
GT	Griffin, Winnipeg
GY	Griffin, ST. Hyacinthe
HW	MAANSHAN IRON & STEEL COMPANY LTD.
J	Sumitomo (Japan, Prior to March 1978)
JW	Sumitomo (Japan)
K	Klockner (Germany, Prior to March 1978)
KW	Klockner (Germany)
L	Italsider (Italy, Prior to March 1978)
LW	Loveire (Italy)
MW	MAFERSA (Brazil)
NW	NIZHNEDNEPROVSKY TUBE ROLLING PLANT
P	British Steel, Tempelborough and Ickles Works (Prior to March 1978)
QW	Construcciones y Auxiliar de Ferrocarriles (Spain)
RW	SMR Rolling Stock Assemblies (Romania)

Value	Description
RZ	TIANRUI GROUP FOUNDRY CO., LTD.
S	Abex (St Louis Missouri)
SJ	Abex (Johnstown)
SO	ABC Rail (Calera)
SW	Standard Steel
T	Abex (Toledo, OH)
TA	XINYANG AMSTED TONGHE WHEELS COMPANY LTD.
TW	Adtranz (England)
TX	TAIYUAN HEAVY INDUSTRY CO., LTD.
TY	TAIYUAN HEAVY INDUSTRY CO., LTD.
TZ	TAIYUAN HEAVY INDUSTRY CO., LTD.
V	Unisor (France, Prior to March 1978)
VK	Vyksa Steel Works
VW	Valdunes (France)
WI	Ministry of Railways (India)
XX	Unknown or not Legible
Z	Canadian Steel Wheel (Prior to March 1978)
ZW	Canadian Steel Wheel

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

Value	Description
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
ABEX	Southern (ABEX) 50-ton Cast Steel
AX	AX Wheel Design Designation
B	B Wheel Design Designation
C	C Wheel Design Designation
CA	CA Wheel Design Designation
CAX	CAX Wheel Design Designation
CB	CB Wheel Design Designation
CC	CC Wheel Design Designation
CD	CD Wheel Design Designation
CE	CE Wheel Design Designation
CG	CG Wheel Design Designation
CH	CH Wheel Design Designation
CJ	CJ Wheel Design Designation
CK	CK Wheel Design Designation
CM	CM Wheel Design Designation
CN	CN Wheel Design Designation
CND	Cast without Design Designation
CP	CP Wheel Design Designation
CR	CR Wheel Design Designation
CS	AAR CS Cast Steel
CS1	AAR CS-1 Griffin
CS2	AAR CS-2 Cast Steel, ex. Griffin
CSM	AAR-CS-M Cast Steel
E	E Wheel Design Designation
G	G Wheel Design Designation
H	H Wheel Design Designation
J	J Wheel Design Designation
K	K Wheel Design Designation
M	M Wheel Design Designation
N	N Wheel Design Designation
P	P Wheel Design Designation
R	R Wheel Design Designation

Value	Description
S	S Wrot Steel
WND	Wrot without Design Designation
X2	AAR-X-2 Cast Steel
X3	AAR-X-3 Cast Steel
X4	AAR-X-4 Cast Steel
X5	AAR-X-5 Cast Steel
X6	AAR-X-6 Wrot Steel
X7	AAR-X-7 Cast Steel
X8	AAR-X-8 Cast Steel
X9	AAR-X-9 Cast Steel
X11	AAR-X-11 Wrot Steel
X12	AAR-X-12 Cast Steel
X13	AAR-X-13 Cast Steel
X15	AAR-X-15 Wrot Steel
X16	AAR-X-16 Wrot 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, CNL, 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:** 8**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_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
ARC	ALASKA RAILROAD CORPORATION, Anchorage,AK
AW	AMTRAK, Wilmington,DE
BNN	BNSF RAILWAY, Lincoln, NE
BVA	AMSTED RAIL COMPANY, Petersburg,VA
CBX	COOPER BEARINGS, Georgetown, DE
CPWW	CANADIAN PACIFIC, Winnipeg Manitoba
FAGC	SCHAEFFLER (NINGXIA) CO. LTD.
FAGI	SCHAEFFLER FAG BEARING INDIA LIMITED MANEJA
GRSE	GREENBRIER RAIL SERVICES - ELIZABETHTOWN
ILJN	BEARING ART YEONGJU PLANT, Yeongju-si Gyeongsangbuk-do
LI	LONG ISLAND RAILROAD, Hollis,NY
LLYC	LUOYANG LYC BEARING CO LTD, LUOYANG, HENAN, CHINA
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
ONT	ONTARIO NORTHLAND TRANSPORTATION COMMISSION,North Bay,ON
PLXK	PHOENIX BEARINGS, Elizabethtown,KY
PRAL	PROGRESS RAIL SERVICES, Arab, AL
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.
RABE	RANGER BEARINGS, Memphis, TN
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

Value	Description
SKF	SKF, INDUSTRIE S.p.A. Railways Division
SKFC	BEIJING NANKOU SKF RAILWAY BEARINGS, Villar Perosa,Turin Italy
SKFI	SKF TECHNOLOGIES, Bangalore,Karnataka India
SKFR	SKF TVER LLC - RUSSIA
SKFT	SKF Technologies (India) Private Limited, Ahmedabad Gujarat
SKML	SKF USA, INC. MOODY AL
SRC	SERVICIOS ROTATIVOS DE CALIDAD, S.A. de C.U.
SRCB	SRC IMPORTACA'S MANUTENCAO U EXPORTACAS LTDA., Brasil
STLN	A Stucki Company - Lincoln
T	THE TIMKEN COMPANY, Mascot,TN
TJI	TIMKEN INDIA, Jamshedpur, India
TMKS	TIMKEN COMPANY LTD., Yantai, Shandong, China
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. MARKETING INDUSTRIAL, S.A. de C.

Validation Rules:

- Cannot 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 cannot 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)

Value	Description
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
26	FAG (Brown)
27	Timken
28	Brenco
29	Roller Bearing Industries (Gold)
30	SKF
31	Brenco
32	FAG
33	LYC
34	ILJIN

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)
8AMS0021	Brenco DDL Improved
8AMS0022	Brenco ST-212 Improved
8AMS0023	Brenco Efficiency Plus Improved
8AMS0024	Brenco Tru-Guard (G207K-2)
8ILJ0001	ILJIN (RCT - K157)
8FED0001	Federal Mogal
8FAS0001	FAG/Schaeffler
8NTN0001	NTN-Titan
8SKF0001	SKF GenII
8SKF0002	SKF CR-70113
8SKF0003	SKF LL
8SKF0004	SKF E2 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
SOEX0003	Shell Alavnia EP-D
SOEX0006	Shell Alavnia DTR
SOEX0007	Shell GadusRail S3 AAR AP 1.5

Value	Description
XOMX0001	Exxon Arapen RB-320
XOMX0002	Timken Premium Rail Grease
XOMX0004	Shell SHC-100
XOMX0005	Shell SHC-221
XOXM0001	Exxon Arapen RB-320

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
8ILJ0001	ILJIN Polymer
8LYC0001	LYC Steel
8LYC0002	LYC 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

Value	Description
AARX0003	All makes Universal
8AMS0001	Brenco Natural Fitted
8AMS0002	Brenco Natural Fitted
8AMS0003	Brenco Tru-Fit
8ILJ0001	ILJIN OEM
8LYC0001	LYC OEM
8RAN0001	Ranger Purefit
8SKF0001	SKF Natural Fitted
8SKF0002	SKF Natural Fitted
8SKF0003	SKF Secure-Fit
8STK0001	Stucki Universal Fitted
8TIM0001	Timken Natural Fitted
8TIM0002	Timken Natural Fitted
8TIM0003	Timken Sur-Fit
8TIM0004	Timken
8TIM0005	Timken Sur-Fit
8TIM0006	Timken Sur-Fit
8TIM0007	Timken Sure-Fit 2
8TIM0008	Timken Sure-Fit 2
8TIM0009	Timken Sure-Fit 2
8TIM0010	Timken Sure-Fit 3
8TIM0011	Timken Sure-Fit 3
8TIM0012	Timken Sure-Fit 3

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_C218**Element Name:**

Seal Wear Ring Type

Data Type: Text**Data Length:** 25**Description:**

These are codes designed to describe the type of seal wear ring of the roller bearing.

Valid Values:

Value	Description
E	Extended
N	Not Applicable
P	Composite/Polymer
S	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
AIDF	ACOFORJA INDUSTRIA DE FORJADOS S.A., Santa Luzia, Minas Gerais, Brazil
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-Fablok 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)

Value	Description
BST	British Steel, Trafford Park Works, England (No Longer in Production)
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
CNRD	CNR DATONG ELECTRIC LOCOMOTIVE CO., LTD, Datong City, Shanxi 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
CSGR	SHANXI GUORUI RAIL VEHICLE EQUIPMENT CO LTD, Jiaocheng, China
CSRA	CSR Yangtze Tongling Rolling Stock Co., Ltd
CYRT	CSR Yangtze Rolling Stock Co. Ltd., Tongling City, Anhui Province PRC
DDAP	DDAP/RAX, Dneprderzhinsk, Ukraine
DSS	JSC Dneprospeksstal, Zaporozhye (DSS) Zaporozhye Ukraine
EFB	ENTRETIEN FERROVIAIRE BOIVIN IN, SAGUENAY QC
GBSC	GBSummit LLC, San Bernadino, CA
GELS	GETS LOCOMOTIVE SERVICES NORESTE, S.A. de C.V.
GNCF	GUNDERSON CONCARRIL S.A. de C.V.
GRMX	GUNDERSON-CONCARRIL, S.A. DE C.V. TETLA DE SOLIDARIDAD, TLAXCALA
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)
MAST	Baowu Group Masteel Rail Transit Materials Technology Company Limited
MMA	MONTREAL MAINE AND ATLANTIC RAILWAY, Derby, ME

Value	Description
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
ONT	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
PRMX	PROGRESS RAIL MAINTENANCE DE MEXICO SA DE CV, NUEVO LAREDO, TAMAULIPAS
PRSC	PROGRESS RAIL SERVICES, Jackson, SC
PRSH	PROGRESS RAIL SERVICES, Henderson, NV
PRSK	PROGRESS RAIL SERVICES, Louisville, KY
PRSN	PROGRESS RAIL SERVICES, 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
RRHO	RONSCO INCORPORATED, Hamilton, ON
RW	R&W MACHINE DIVISION, Bedford Park, IL
SECO	SECO Machine, North Canton, OH
SF	Standard Forgings (No Longer in Production)
SFSI	Scot Forge, Clinton, Wisconsin (No Longer in Production)
SMI	Sumitomo Metal Industries LTD. Osaka, Japan

Value	Description
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
THMD	
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 cannot be after today

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

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

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.

Valid Values:

Value	Description
RWS	Raised Wheel Seat

Wheelset_C310**Element Name:**

Axle Grade (●●●)

Data Type: Text**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
U	Grade U, Non-Heat Treated

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/documented in the AAR standards. It is meant to enable quality improvements that would otherwise be very difficult to implement or track.

Wheelset_C315

Element Name:

AAR Extended Axle Codes (●)

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

These are internal codes, but designed to be included/documented 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/documented 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.

Wheelset_C317

Element Name:

Axle Dust Guard Size

Data Type: Text**Data Length:** 25**Description:**

These are codes designed to describe the type of Axle Dust Guard Size found on the axle.

Valid Values:

Value	Description
F	Fitted
N	Non-Fitted

Value	Description
U	Universally Fitted

Wheelset_C318

Element Name:

Extended Seal Wear Ring

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

These are codes designed to describe the type of Extended Seal Wear Ring on the Axle.

Valid Values:

Value	Description
Y	Yes
N	No

PRVALVE_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

PRVALVE_C010**Element Name:**

Component Registration Date

Data Type: Text**Data Length:** 10**Description:** Component Registration Date

PRVALVE_D101**Element Name:**

PRV Condition Code (●)

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

Code 1 - A new pressure relief valve that has been assembled or manufactured, and qualified by a C4a / C4m tank car facility having service equipment code "S".

Code 3 - A pressure relief valve that has been maintained and qualified by a C5 tank car facility having service equipment code "S".

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.

Valid Values:

Value	Description
1	New
3	Reconditioned

PRVALVE_D102**Element Name:**

AAR Tank Car Facility Code (●)

Data Type: Text

Data Length: 12

Description:

4 alpha characters max, no leading spaces. The unique identifier assigned by the AAR to a C4a, C4m, or C5 tank car facility performing the activity for this registration event. This is the M-1003 QA Code and is synonymous with M-1002 Station Stencil.

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.

Valid Values:

Value	Description
AAST	Crossbridge Compliance LLC – Longview
APRT	Appalachian Tank Car Services, Inc. – Kingsport
ARIB	American Railcar Industries - Bude
ARIC	ARI Fleet Services of Canada, Inc. – Sarnia
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
ARMO	AITX Railcar Services – Mounds
ARS	Alabama Railcar Services, Inc. – Ozark AL
ARSA	The Apache Railway Company
ARTC	AITX Railcar Services - Hudson
BRBT	VLS Environmental Solutions LLC
BRMD	Appalachian Tank Car Services, Inc. - Elk Mills MD
BRS	Appalachian Tank Car Services, Inc.- Lynchburg VA
BRWV	Appalachian Tank Car Services, Inc. – Hinton WV
BWS	BW Services - Westlake
BWSI	Eagle Railcar Services – Washington IN
BWST	BW Services - Angleton
CAD	CAD Railway Industries
CGMJ	GATX Rail Canada Corporation – Moose Jaw
CGMQ	GATX Corporation – Montreal
CGRD	GATX Corporation – Red Deer
CMQR	Katahdin Railcar Services
CTI	Caltrax, Inc. - Calgary
CURR	Curry Rail Services
ECEN	Engineered Controls International, LLC
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 TX
ERST	Eagle Railcar Services – Elkhart TX
ERSW	Eagle Railcar Services - Wichita Falls
ETLL	Eastlake Terminal
FRS	Watco Mechanical Services – Fitzgerald GA
FTJF	Flotech, Inc.
FVEK	Fort Vale Engineering Ltd.
GACA	GATX Corporation – Colton
GAGA	GATX Corporation – Waycross
GAHT	GATX Corporation – Hearne
GAPT	GATX Corporation – Plantersville

Value	Description
GATI	GATX Corporation - Terre Haute
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- Vero Beach FL
GRSF	Greenbrier Rail Services – Finley
GRSO	Greenbrier Rail Services – Omaha
GSW	Greenbrier Rail Services – Cleburne
HCCP	H.C. Chandler & Son, Inc.
KTBT	Kelso Technologies, USA, Inc.
LRST	Liberty Rail Services
MERM	Mississippi Export Railroad – Moss Point
MMCS	Midland Manufacturing
MMHT	Midland Manufacturing - Houston TX
MPSI	P4 Production, LLC
MRCS	Marsh Rail Car Services, Inc. - St. Peters
MVMT	McKenzie Valve & Machining, LLC
MWR	Midwest Railcar Repair
ORSM	OWS Rail Car (ORSM)
OTMT	On-Track Properties, Inc
OWSP	OWS Railcar (OWSP)
PENT	Emerson Automation Solutions
PRAT	Progress Rail Services – Amarillo TX
PRE	Procor Limited – Edmonton
PRJA	Procor Limited – Joffre
PRNV	Procor Limited – North Vancouver
PRO	Procor Limited – Oakville
PRS	Procor Limited – Sarnia
PRSA	Procor Limited – Fort Saskatchewan
PRSE	Procor Limited – 24 th Street Edmonton
RCBT	Rescar Companies, Inc. – Borger
RECH	Rescar Companies, Inc. – Channahon
RECT	Eagle Railcar Services – Channelview TX
RECV	Rescar Companies, Inc. – Channelview
REDP	Eagle Railcar Services – DuBois PA
REGG	Eagle Railcar Services – Gordon GA
RELE	Rescar Companies, Inc. – Longview (Plant 550)
RELT	Eagle Railcar Services – Longview TX
REOT	Rescar Companies, Inc. – Orange TX
RESC	Rescar Companies, Inc. – North Charleston
RESG	Rescar Companies, Inc. – Gramercy
RESI	Rescar Companies, Inc. – Savanna
REWS	Rescar Companies, Inc. – White Springs
RIMT	Runyon Industries, Inc. – Memphis
RRSQ	Ronsco Inc. - Coteau du Lac
RSI	Railcar Services, Inc.
RMRU	Rocky Mountain Railcar Repair
SALL	Salco Products Inc. – Lemont IL
SIRO	Eagle Railcar Services – Cairo, OH
SLRT	Steel Rail Services, LLC – Marshall, TX
SRCO	Trinity Rail Maintenance Services, Inc. – Hugo
SRSH	Safety Railway Service, L.P. – Houston TX
SRSK	Safety Railway Service, L.P. – Knox IN
SRSS	Safety Railway Service, L.P. – Geismar LA

Value	Description
SRSV	Safety Railway Service, L.P. – Victoria
TECH	Transitech, Inc. – Fordyce AR
TETX	Texana Tank Car – Texarkana TX
THCG	Trinity Rail – Cartersville
TIJA	Trinity Rail Maintenance Services, Inc. – Jonesboro
TISI	Trinity Rail – Shell Rock
TLPT	Tank Lining of Paris, Inc.
TMC	TMC Engineering Sevices Inc
TMMX	Trinity Rail de Mexico, S. de R.L. de C.V. – Frontera
TMTT	Texana/Midway Tank Cleaning Facility
TRAM	Transco Railway Products, Inc. – Miles City
TRAO	Transco Railway Products, Inc. – Oelwein
TRAS	Transco Railway Products, Inc. – Sioux City
TRGS	Trinity Rail – Saginaw
TXXV	Trinity Rail Maintenance Services, Inc.
UTBI	Union Tank Car Company – Bedford Park
UTBT	Union Tank Car Company – Baytown 1
UTCB	Union Tank Car Company – Baytown
UTCC	Union Tank Car Company – Catlettsburg
UTCG	Union Tank Car Company – Valdosta
UTCH	Union Tank Car Company – South Charelston
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
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)
UTIA	Union Tank Car Company – Aurora
UTMM	Union Tank Car Company – Midland
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
VLSF	VLS Environmental Solutions LLC
VLST	VLS Environmental Solutions LLC – Hockley, TX
WMJK	Eagle Railcar Services – Junction City, KS

PRVALVE_D103**Element Name:**

Original Manufacturer (MFG) Facility Code (●)

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

4 alpha characters max, no leading spaces. Preserves the unique identifier assigned by the AAR to the original C4a or C4m tank car facility. This is the M-1003 QA Code and is synonymous with M-1002 Station Stencil.

This data element is stamped or etched onto the body name plate.

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.

Valid Values:

Value	Description
AMFX	American Railcar
ECEN	Rego
EMER	Anderson Greenwood Crosby
FVEK	Fort Vale Engineering Ltd.
GIRA	Girard Equipment, Inc.
KTBT	Kelso Technologies, USA, Inc.
MMCS	Midland Manufacturing
MVMT	McKenzie Valve

PRVALVE_D104**Element Name:**

PRV Base Model Number (●)

Data Type: Text**Data Length:** 45**Description:**

45 characters max (alpha, numeric, & symbols), no leading spaces. The model number generated and defined by the C4a or C4m tank car facility that correlates to the AAR design approval.

This data element is stamped or etched onto the body name plate.

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_D105**Element Name:**

Manufacturer Part Number (Original)

Data Type: Text**Data Length:** 30**Description:**

30 characters max (alpha, numeric, & symbols) no leading spaces. The part number is generated and defined by the C4a or C4m tank car facility that correlates to the AAR design approval.

PRVALVE_D106**Element Name:**

Body Material (●)

Data Type: Text**Data Length:** 32**Description:**

32 characters max (alpha, numeric) no leading spaces. The valve body material (primary wetted) used by the C4a or C4m tank car facility that correlates to the AAR design approval.

This field must be reported by the C4a or C4m tank car facility and be included in the component registration data sent to Railinc for all pressure relief valves.

Valid Values:

Value
BRONZE
CARBON STEEL
FEP-ENCAPSULATED SILICON
FEP-ENCAPSULATED VITON
HASTELLOY
NICKEL
PFA-ENCAPSULATED SILICON
PFA-ENCAPSULATED VITON
STAINLESS STEEL
STAINLESS STEEL-304
STAINLESS STEEL-316
STAINLESS STEEL-316 (TEFLON)
STAINLESS STEEL-316L
STAINLESS STEEL-316L (TEFLON)
STAINLESS STEEL-ALLOY 20

PRVALVE_D107

Element Name:

PRV Serial Number

Data Type: Numeric**Data Length:** 16**Description:**

16 characters max, no leading spaces.

If the PRV was manufactured after December 31, 2003, a serial number will be defined and generated by the C4a or C4m tank car facility.

This data element is stamped or etched onto the body name plate.

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_D108

Element Name:

PRV Built Month

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

This is a 2-character date stamp with format MM.

If PRV was manufactured prior to December 31, 2003 (before serialization), the month and year of manufacture or retest shall be entered in lieu of a serial number.

This data is stamped or etched on the body nameplate.

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_D109

Element Name:

PRV Built Year

Data Type: Numeric**Data Length:** 4**Description:**

This is a 4-character date stamp with format MM.

If PRV was manufactured prior to December 31, 2003 (before serialization), the month and year of manufacture or retest shall be entered in lieu of a serial number. This data is stamped or etched on the body nameplate.

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_D110

Element Name:

PRV Set Pressure (Design Nominal) (●)

Data Type: Numeric

Data Length: 5

Description:

5 numeric characters max (including decimal), no leading spaces.

This data element is stamped or etched onto the body name plate based on the AAR design approval.

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.

Valid Values:

Value	Description
15	15 PSI
25	25 PSI
30	30 PSI
35	35 PSI
45	45 PSI
60	60 PSI
75	75 PSI
80	80 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_D111

Element Name:

AAR Approval Number (●)

Data Type: Text

Data Length: 11

Description:

11 characters max, alpha-numeric, no leading spaces.

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.

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_D112

Element Name:

AAR Service Trial Number

Data Type: Text

Data Length: 8

Description:

8 characters max, alpha-numeric, no leading spaces. May be blank if no service trial.

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. This field must be reported by the C4a or C4m tank car facility and be included in the component registration data sent to Railinc for only pressure relief valves assigned to an AAR service trial.

PRVALVE_D113

Element Name:

PRV Qualification Date (As Tested) (●)

Data Type: Date

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.

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_D114

Element Name:

PRV Start-to-Discharge Pressure (As Tested) (●)

Data Type: Numeric

Data Length: 7

Description:

7 numeric characters max, no leading spaces. 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).

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 Vapor Tight Pressure (As Tested) (●)

Data Type: Numeric**Data Length:** 7**Description:**

7 numeric characters max, no leading spaces. This element must show the measured vapor-tight pressure of the PRV tested and must be within the tolerance for the given set pressure.

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_D116**Element Name:**

O-Ring Material (●)

Data Type: Text**Data Length:** 40**Description:**

40 alpha-numeric characters max, no leading spaces. This element describes the material composition / type of the new elastomeric seals applied (primary wetted).

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.

Valid Values:

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
CAROLINA NEO70	CAROLINA NEO70
CAROLINA SEAL 4209	CAROLINA SEAL 4209
CAROLINA SEAL 4560	CAROLINA SEAL 4560
CAROLINA SEAL WHBN386	CAROLINA SEAL WHBN386
CAROLINA SEAL WHEP521	CAROLINA SEAL WHEP521
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)

Value	Description
CSI 7295	CSI 7295
CSI 842 (WHITE NEOPRENE)	CSI 842 (WHITE NEOPRENE)
CSI BN661 (BUNA-N)	CSI BN661 (BUNA-N)
CSI C505	CSI C505
CSI EP787 (EPDM)	CSI EP787 (EPDM)
CSI K6375	CSI K6375
CSI NEO70	CSI NEO70
CSI WHBN386	CSI WHBN386
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
EPDM PC	EPDM PC
EPR FOOD GRADE	EPR FOOD GRADE
ETHYLENE PROPYLENE RUBBER	ETHYLENE PROPYLENE RUBBER
FLUOROCARBON LOW TEMP (V128975)	FLUOROCARBON LOW TEMP (V128975)
GYLON 3510	GYLON 3510
HYPALON	HYPALON
IDENTA-SEAL GRI-GF-S-GOLD	IDENTA-SEAL GRI-GF-S-GOLD
ISOLAST 9503 - J9503	ISOLAST 9503 - J9503
KALREZ	KALREZ
KALREZ 0090	KALREZ 0090
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
KALREZ 7075	KALREZ 7075
NEOPRENE	NEOPRENE
NEOPRENE FOOD GRADE	NEOPRENE FOOD GRADE
NITRILE FOOD GRADE	NITRILE FOOD GRADE
PARCO 5778-70	PARCO 5778-70
PARKER EA140-70	PARKER EA140-70
PARKER EB165-70	PARKER EB165-70
POLYURETHANE	POLYURETHANE
SILICONE	SILICONE
SIMRIZ 7295	SIMRIZ 7295
SIMRIZ 7301	SIMRIZ 7301
SIMRIZ E48 - SIMRIZ E48	SIMRIZ E48 - SIMRIZ E48
SIMRIZ E49	SIMRIZ E49
SIMRIZ E49 - SIMRIZ E49	SIMRIZ E49 - SIMRIZ E49
TEFLON	TEFLON
TEFLON ENCAPSULATED SILICONE	TEFLON ENCAPSULATED SILICONE
TEFLON ENCAPSULATED VITON	TEFLON ENCAPSULATED VITON
VITON	VITON
VITON A	VITON A
VITON A (FDA)	VITON A (FDA)
VITON A 747	VITON A 747
VITON B	VITON B
VITON ETP	VITON ETP
VITON ETP-S	VITON ETP-S
VITON EXTREME	VITON EXTREME

Value	Description
VITON F	VITON F
VITON G	VITON G
VITON GF	VITON GF
VITON GFLT 600S	VITON GFLT 600S
VITON GFLTS	VITON GFLTS
VITON GFLT-S	VITON GFLT-S
VITON GFS	VITON GFS
VITON GF-S	VITON GF-S
VITON GSS	VITON GSS
VITON GS-SFG	VITON GS-SFG
VITON VG	VITON VG
VITON-A FOOD GRADE	VITON-A FOOD GRADE
VSP-E03	VSP-E03
VSP-E10 (VITON B)	VSP-E10 (VITON B)
VSP-E22	VSP-E22
VSP-E37 (VITON ETP)	VSP-E37 (VITON ETP)
VSP E44 WHITE VITON GF-S FDA APPROVED	VSP E44 WHITE VITON GF-S FDA APPROVED
VSP-E47 (SIMRIZ 47)	VSP-E47 (SIMRIZ 47)
VSP-E49 (SIMRIZ 49)	VSP-E49 (SIMRIZ 49)
WHITE BUNA N	WHITE BUNA A
WHITE BUNA N FOOD GRADE	WHITE BUNA N FOOD GRADE
WHITE EPDM FOOD GRADE	WHITE EPDM FOOD GRADE
WHITE NEOPRENE	WHITE NEOPRENE
WHITE NEOPRENE FOOD GRADE	WHITE NEOPRENE FOOD GRADE
WHITE VITON A	WHITE VITON A
WHITE VITON A FOOD GRADE	WHITE VITON A FOOD GRADE

PRVALVE_D117

Element Name:

AAR Group

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

2-character max, alpha-numeric, no trailing spaces. Category assigned by AAR based on the design approval of the PRV.

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_D118

Element Name:

Certifier ID (●)

Data Type: Text**Data Length:** 20**Description:**

The facility employee responsible for "certification" attests to the tests performed to pressure relief valve were done in accord with the federal regulations and the AAR Section C-III Specifications for Tank Cars (M-1002) and reported correctly.

The field must be reported by the C4a, C4m, and C5 tank car facility and be included in the component registration data sent to Railinc for all pressure relief valves. This entry is the ID assigned to by the tank car facility to the certifying employee.

CUSHUNIT_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

CUSHUNIT_C010**Element Name:**

Component Registration Date

Data Type: Text**Data Length:** 10**Description:** Component Registration Date

CUSHUNIT_D201**Element Name:**

Condition Code (●●)

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

A new cushioning unit is one that has not yet been in service (Code=1). A secondhand cushioning unit is one that has previously been applied but is being applied or reapplied by the car owner or under car owner authority (Code=2). A reconditioned cushioning unit is one that has been through reconditioned per AAR Specification M-921-C (Code=3).

Valid Values:

Value	Description
1	New
2	Secondhand
3	Reconditioned

Validation Rules:

- Secondhand cushioning units can only be field registered

CUSHUNIT_D202**Element Name:**

AAR OEM/Recon Facility Code (●)

Data Type: Text

Data Length: 5

Description:

This is the facility code assigned by the AAR QA committee.

Valid Values:

Value	Description
AHO	American Hydraulics, Inc. – Red Oak
KCH	Amsted Rail Company, Inc. – Camp Hill
WAKS	Wabtec Global Services- Kansas City

CUSHUNIT_D203

Element Name:

Manufacture Year

Data Type: Number

Data Length: 2

Description:

This is the manufacture year (YY), required for condition code 1.

CUSHUNIT_D204

Element Name:

Manufacture Month

Data Type: Number

Data Length: 2

Description:

This is the manufacture month (MM), required for condition code 1.

CUSHUNIT_D205

Element Name:

Reconditioned Date

Data Type: Text

Data Length: 5

Description:

This is the reconditioned date stamp (MM-YY), required for condition code 3.

CUSHUNIT_D206**Element Name:**

Manufacturer (●●)

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

This is the original manufacturer of the cushioning unit.

Valid Values:

Value	Description
AHO	American Hydraulics
DRS	Dresser
EHI	Emerald Hydraulics
FMI	Wabtec
KRE	Amsted
TRN	Trinity

CUSHUNIT_D207**Element Name:**

Serial Number (●●)

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

This is the serial number as defined by the manufacturer or reconditioner per M-921.

CUSHUNIT_D208**Element Name:**

OEM Model Number (●●)

Data Type: Text**Data Length:** 40**Description:**

The OEM Model Number is the model number that identifies the cushioning unit per the AAR Field Manual Rule 59.

Valid Values:

Value
1/9 G-E
1/14 G-B
1/14 G-B/U
10ARC5F
10ARN5F
10-BE
10-BF
10-BG
10-BME

Value
10-BMF
10-BMFR
10-BMFV
10-DAF
10-DF
10-DG
10-DMF
10-DMFR
10-DMFV
10EC1
10EN1
10F-AB
10F-AB PB
10F-ACB
10F-ACB P
10F-ACB PB
10F-ACD
10F-ACD P
10F-ACD PB
10F-AD
10F-AD PB
10FC1
10FC5
10F-ECB
10F-FB
10F-FB PB
10F-FCB
10F-FCB P
10F-FCB PB
10F-FCD
10F-FCD P
10F-FD
10F-FD PB
10F-FSCB
10F-KEB
10F-KECB
10F-KECD
10F-KED
10F-MB PB
10F-MCB P
10F-MCB PB
10F-MCD P
10F-MCD PB
10F-MCEB
10F-MCEB K/S W/C BRACKET
10F-MCEB K/S W/SPRING LUG
10F-MD PB
10F-MEB K/S
10FN1
10FN5
10F-REB
10F-RECB
10F-RECD
10F-RECD LD
10F-RED

Value
10F-RED LD
10FSC1
10F-VMCB
10F-VMCD
10F-VMCEB
10G1
10G5
10G-B
10G-B/U
10G-D
10G-D/U
10GRF5
10GRF-B
10GRF-B/U
10GRF-D
10GRF-D/U
10GT1
10GT5
10GT-B
10GT-B/U
10GT-D
10GT-D/U
10KN1
10KN1E
10KN5
10KN5LD
10KNU1
10KNU2
10KNU5
10MC1E
10MC1F
10MC2F
10MC5F
10SN1E
10SN1EP
10SN1F
10SN2F
10SN5F
10SNE-B
10SNF-B
10SNF-D
10SNF-D
12F-KEB
12FKECB
13/2 KN1
13/2 RECF
14/1 KN1
14FHBC1
15-BG
15-BHE
15-BHF
15-BHR
15-BME
15-BMF
15-BMFR

Value
15-BMFT
15-BMFV
15-DG
15-DMF
15-DMFR
15-DMFT
15-DMFV
15F-GRB SP
15F-GRD SP
15F-HB
15F-HB PB
15F-HCB
15F-HCB P
15F-HCB PB
15F-HCD
15F-HCD P
15F-HCD PB
15F-HCEB
15F-HCRB
15F-HCRB PB
15F-HD
15F-HD PB
15F-INCB
15F-INCD
15F-INCEB
15F-KEB
15F-KECB
15F-KECB
15F-KECD
15F-KED
15F-MB
15F-MB PB
15F-MCB
15F-MCB P
15F-MCB PB
15F-MCD
15F-MCD P
15F-MCD PB
15F-MCEB
15F-MCEB K/S W/C BRACKET
15F-MCEB K/S W/SPRING LUG
15F-MD
15F-MD PB
15F-MEB K/S
15F-MEB K/S W/C BRACKET
15F-REB
15F-RECB
15F-RECD
15F-RED
15F-VMCB
15F-VMCD
15F-VMCEB
15G1
15G5T
15G-B

Value
15G-B/U
15G-D
15G-D/U
15GRF1
15GRF5T
15GRF-B
15GRF-B/U
15GRF-D
15GRF-D/U
15GT1
15GT5T
15GT-B
15GT-B/U
15GT-D
15GT-D/U
15HDC1E
15HDC1F
15HDC1FR
15HDC5F
15HDC5FT
15HDN1F
15HDN1FR
15HDN5FT
15KN1
15KN1I
15KN5T
15KNU1
15KNU2T
15KNU5T
15MC1E
15MC1F
15MC2FT
15MC5FT
15SN1E
15SN1F
15SN2FT
15SN5FT
15SNE-B
15SNE-B
15SNF-B
15SNF-B
15SNF-D
16/2 KN1
18G-B
18KN1
18KN1F
2/10GA
2/13 G-B
2/13 G-B/U
2/16 G/B
2/16 G/B/U
ARF-GR-B
ARF-GR-B/U
ARF-GRC-B
ARF-GRC-B WITH PIN BLOCK

Value
ARF-GRC-B/U
ARF-GRC-B/U WITH PIN BLOCK
ARF-GRC-D
ARF-GRC-D WITH PIN BLOCK
ARF-GRC-D/U
ARF-GRC-D/U WITH PIN BLOCK
ARF-SGR/C-B
ARF-SGR/C-B/U
ARF-SGR/C-D
ARF-SGR/C-D/U
CONV F15GRC-B Special
CONV F15GRC-B/U
CONV F-15GRC-D Special
CONV F-15GRC-D/U
E-10G-B
E-10G-B/U
E10GR1 W/C BRACKET
E10GR1 W/SPRING LUG
E-10GR-B W/C BRACKET
E-10GR-B W/SPRING LUG
E-10GR-B/U W/C BRACKET
E-10GR-B/U W/SPRING LUG
E-10GRC-B
E-10GRC-B/U
E-10SGR/C-B
E-10SGR/C-B/U
E10VMC1
E-15G-B
E-15G-B/U
E15GR1 W/C BRACKET
E15GR1 W/SPRING LUG
E-15GR-B
E-15GR-B W/C BRACKET
E-15GR-B W/SPRING LUG
E-15GR-B/U
E-15GR-B/U W/C BRACKET
E-15GR-B/U W/SPRING LUG
E-15GRC-B
E-15GRC-B/U
E15HC1
E-15SGR/C-B
E-15SGR/C-B/U
E15VMC1
EGR1
EHBC1
ERT-10-BG
F-10G-B
F-10G-B/U
F-10G-D
F-10G-D/U
F10GR1
F10GR5
F-10GR-B
F-10GR-B/U
F-10GRC-B

Value
F-10GRC-B/U
F-10GRC-D
F-10GRC-D/U
F-10GR-D
F-10GR-D/U
F-10GRT-B
F-10GRT-B/U
F-10GRT-D
F-10GRT-D/U
F-10SGR/C-B
F-10SGR/C-B/U
F-10SGR/C-D
F-10SGR/C-D/U
F10VMC1
F10VMC2
F10VMC5
F12C1
F15C1
F15CB
F15G-B
F-15G-B
F15G-B/U
F-15G-B/U
F-15G-D
F-15G-D/U
F15GR1
F15GR5T
F15GR-B
F-15GR-B
F-15GR-B/U
F15GR-B/U Special
F-15GRC-B
F-15GRC-B/U
F-15GRC-D
F-15GRC-D/U
F-15GR-D
F-15GR-D/U
F-15GR-D/U Special
F-15GRT-B
F-15GRT-B/U
F-15GRT-D
F-15GRT-D/U
F15HC
F15HC5T
F15HUC1
F15HUC5T
F-15SGR/C-B
F-15SGR/C-B/U
F-15SGR/C-D
F-15SGR/C-D/U
F15VMC1
F15VMC5T
F-18G-B
FGR1
FGR5

Value
HDE-GRC-B
HDE-GRC-B/U
HDE-SGR/C-B
HDE-SGR/C-B/U
HDF-GR-B
HDF-GR-B/U
HDF-GRC-B
HDF-GRC-B WITH PIN BLOCK
HDF-GRC-B/U
HDF-GRC-B/U WITH PIN BLOCK
HDF-GRC-D
HDF-GRC-D WITH PIN BLOCK
HDF-GRC-D/U
HDF-GRC-D/U WITH PIN BLOCK
HDFR-GR-B
HDFR-GR-B/U
HDFR-GRC-B
HDFR-GRC-B WITH PIN BLOCK
HDFR-GRC-B/U
HDFR-GRC-B/U WITH PIN BLOCK
HDFR-SGR/C-B
HDFR-SGR/C-B/U
HDF-SGR/C-B
HDF-SGR/C-B/U
HDF-SGR/C-D
HDF-SGR/C-D/U
MFT-GRC-B
MFT-GRC-B/U
MFT-GRC-D
MFT-GRC-D/U
SA-20G - SA-20G
TYPE E-GR-B
TYPE E-GR-B/U
TYPE E-SGR/C-B
TYPE E-SGR/C-B/U
TYPE F-GR-B
TYPE F-GR-B/U
TYPE F-GR-D
TYPE F-GR-D/U
TYPE F-SGR/C-B
TYPE F-SGR/C-B WITH PIN BLOCK
TYPE F-SGR/C-B/U
TYPE F-SGR/C-B/U WITH PIN BLOCK
TYPE F-SGR/C-D
TYPE F-SGR/C-D WITH PIN BLOCK
TYPE F-SGR/C-D/U
TYPE F-SGR/C-D/U WITH PIN BLOCK
TYPE FS-SGR/C-B
TYPE FS-SGR/C-B/U

CUSHUNIT_D209**Element Name:**

AAR Specification (●)

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

This alpha-numeric field indicates AAR Specification to which the unit was manufactured or reconditioned.

Valid Values:

Value
M-921B
M-921D
M-921E
M-921F

CUSHUNIT_D210**Element Name:**

Travel Length (●)

Data Type: Number**Data Length:** 2**Description:**

The maximum travel length, in inches, of the cushioning unit as manufacturer or reconditioned.