

Mechanical Defect Reports User Guide



7001 Weston Parkway, Suite 200
Cary, North Carolina 27513

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Overview

MD-11 Report

The MD-11 Report provides Railinc with reporting information on defective bearings for WHY MADE CODES 50, 51, 52, 91 and 95.

Rule 36 in the *Field Manual of AAR Interchange Rules* establishes the minimum mechanical requirements for removing roller bearings. MD Reports automates elements of Rule 36 and Mechanical Defect processes and enables railroads and shops to submit Mechanical Defect Form MD-11 to Railinc for analysis with the goal of reducing mechanical service interruptions (derailments and other line of road failures) and increasing yard and shop efficiency.

MD-115 Report

The MD-115 Report must be submitted to Railinc within 15 days of wheel removal for each wheel removed for WHY MADE CODES 66, 68, 69, 71, 83 and 85.

Rule 41 in the *Field Manual of AAR Interchange Rules* establishes the minimum mechanical requirements for removing defective wheels.

MD-115 Reports are submitted to Railinc for analysis with the goal of reducing mechanical service interruptions (derailments and other line of road failures) and increasing yard and shop efficiency.

Accessing the Railinc Customer Success Center

The Railinc Customer Success Center provides reliable, timely, and high-level support for Railinc customers. Representatives are available to answer calls and respond to emails from 7:00 a.m. to 7:00 p.m. Eastern time, Monday through Friday, and provide on-call support via pager for all other hours to ensure support 24 hours a day, 7 days a week. Contact us toll-free by phone at 877-RAILINC (1-877-724-5462) or send an email directly to csc@railinc.com.

Getting Started

MD Reports is accessed using the Railinc Single Sign-On (SSO), which is accessed from the Railinc portal at <http://www.railinc.com>. The SSO Login is located at the upper right of the screen.

Register to Use Railinc SSO

For access to MD Reports and other Railinc applications, register to use Railinc Single Sign-On. Refer to the [Railinc Single Sign On/Launch Pad User Guide](#) for information about the use of Railinc Single Sign On.

Once SSO registration is complete, you request access to MD Reports within SSO.

Requesting MD Reports Access

After you receive authorization to use Railinc SSO, you must request general access to MD Reports by following instructions in the [Railinc Single Sign On/Launch Pad User Guide](#). To access MD Reports, select one or more of the available roles. Your level of access to the MD Reports is determined when you request access through Railinc Single Sign-On. [Exhibit 1](#) shows a complete list of available roles as seen in SSO.

Exhibit 1. MD Reports Applicable Permission Requests

The screenshot shows the Railinc SSO interface for requesting MD Reports access. The header includes the Railinc logo, "User Services", and navigation links for "MICHDOC : RAILINC CORPORATION", "Launch Pad", "Contact Us", and "Sign Out". The main content area is titled "MD Reports" with a red asterisk and the text "* Select Role". It lists four roles with checkboxes and descriptions:

- ☐ **MD-11 Reporter (Mark required)**
User responsible for submitting MD-11 forms
- ☐ **MD-115 Reporter**
User responsible for submitting MD-115 forms.
- ☐ **MD11 External Inspector (Mark required)**
User responsible to submit external inspections for MD-11 reports on behalf of a Railroad (performer road). The permission is approved by their given company admins.
- ☐ **MD11 Internal Inspector (Mark required)**
User responsible to submit internal inspections for MD-11 reports on behalf of a Railroad. The permission is approved by their given company admins.

Below the roles is a "Comment" section with a text input field labeled "Enter comment". At the bottom right are "Submit" and "Return" buttons.

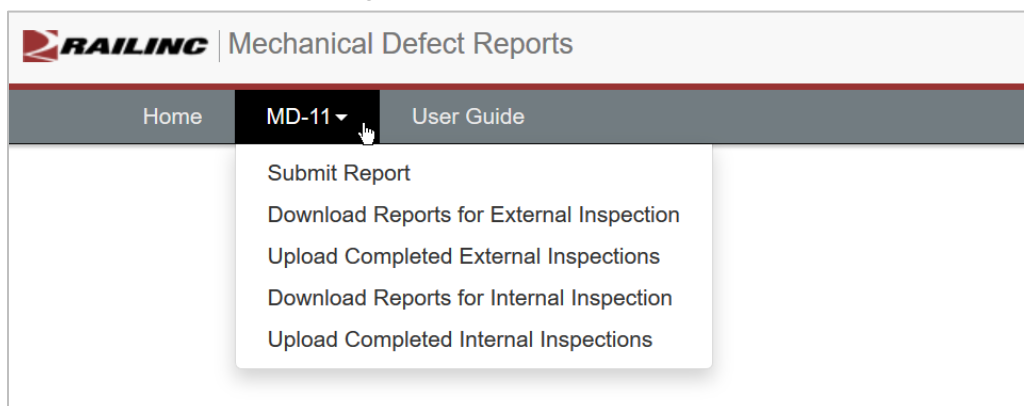
Logging In

To log into the MD Reports:

1. Open the browser.
2. Open the Railinc portal at <http://www.railinc.com>.
3. Log in to SSO (at upper right).
4. Select the **My Applications** link. Your authorized Railinc applications are displayed.
5. Select **MD Reports**.
6. The MD Reports Home page is displayed. The menu items available differ depending on your role. [Exhibit 2](#) shows the menu items that support MD Reports functionality.

MD Reports Menu

Exhibit 2. MD Reports Home Page



Logging Out

Select the **Sign Out** link in the upper right corner to end a MD Reports session. You are returned to the SSO Login Page.

MD-11 Report

Submit MD-11 Report

Form MD-11 enables the mechanical defect user role to report information about defective bearings. Rule 36 is governed by the AAR and overseen by the AAR's Wheel, Axle, Bearing and Lubrication Committee (WABL). If you have questions about completing Form MD-11, send an email to wabl@aar.com. If you experience technical difficulties with the electronic form, contact Railinc's Customer Success Center at csc@railinc.com or 1-877-RAILINC (724-5462).

Note: MD-11 requires that a separate report be submitted for each defective bearing.

Use the following procedure to complete Form MD-11:

1. Log into the MD Reports as described in [Logging In](#) on page 3. The MD Reports Home page is displayed (see [Exhibit 2](#)).
2. From the menu bar, select MD-11 and choose Submit MD-11 Report. The MD-11 Report page is displayed (see [Exhibit 3](#)).

Exhibit 3. MD-11 Enter Report Information

Reporter Contact Information

Name * John Smith

Phone Number * 9196515000

Email * john.smith@railinc.com

City * Cary

Country * US

Railroad/Company * RAIL

State/Province * NC

* Indicates required field

Equipment Details

Equipment Initial *

Equipment Number *

Kind of Equipment *

Derailment * ☐ Yes ☐ No

Date of Failure *

Repair Date *

Bearing/Axle Inspection Information

Performing Mark *

Adapter Condition *

Adapter Pad Condition *

Method of Detection *

Elastomeric Adapter Pad *

Failed Bearing Equipment Side * ☐ Left ☐ Right

Journal Bearing Size *

Why Made Code * ☐ 50 ☐ 51 ☐ 52 ☐ 91 ☐ 95

Wheel Serial Number *

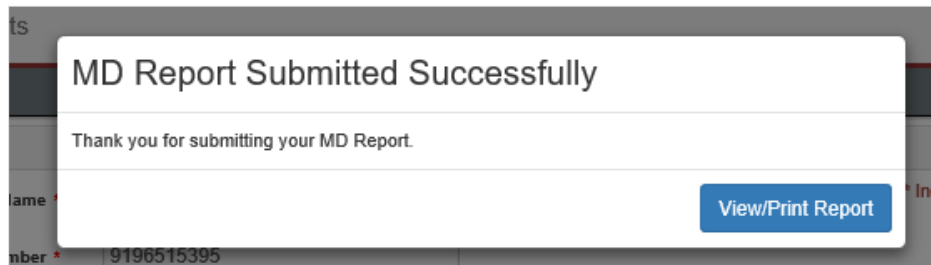
Axle Position *

Journal Burnt Off * ☐ Yes ☐ No

Submit

3. Complete all required fields marked with a red asterisk.
 - Contact information on this page is prepopulated based on information in your SSO profile. Changing your contact information for this report will not change the information in your SSO profile.
 - The **Date of Failure** field must contain a valid date within the past year and must be earlier than the Repair Date. If the date of failure is older than one year, please contact TTCI at wabl@aar.com.
 - The **Repair Date** field must contain the current date or an earlier date.
4. Once the report is submitted, it can only be viewed and no longer edited. When the appropriate fields have been entered, click **Submit**. A submission success/failure message is displayed.

Exhibit 4. MD-11 Report Submission Message



5. Select **View/Print** to view or print a copy of the completed form for your records.
To print the page, use your browser's printing functionality. For example: **File > Print**.
6. Verify report has been assigned an MD-ID, located in the first row of the report view.
7. Once the report has been viewed or printed, click **Done** at the bottom of the page.

Exhibit 5. View of Submitted MD-11 Report

MD-11 Roller Bearing Inspection Report

Report Identification	
MDID	AQGUEE
Created Date	2017-07-21

Reporter Contact Information	
Name	John Smith
PhoneNumber	9196515000
Email	john.smith@railinc.com
City	Cary
State/Providence	NC
Country	US
Railroad/Company	RAIL

Equipment Details	
Equipment Initial	RAIL
Equipment Number	0000009999
Kind of Equipment	G
Derailment	N
Date of Failure	2017-06-13
Repair Date	2017-07-07

Equipment Details	
Equipment Initial	RAIL
Equipment Number	0000009999
Kind of Equipment	G
Derailment	N
Date of Failure	2017-06-13
Repair Date	2017-07-07

Bearing/Axle Inspection Information	
Performing Mark	KCS
Adapter Condition	Overheated
Adapter Pad Condition	Melted
Method of Detection	Hot Bearing Detector
Elastomeric Adapter Pad	ASF 10601 - Green
Failed Bearing Equipment Side	RIGHT
Axle Position	W
Journal Bearing Size	G - 7 x 12
Journal Burnt Off	N
Why Made Code	91
Wheel Serial Number	1234567

[< Previous](#)
[Done](#)

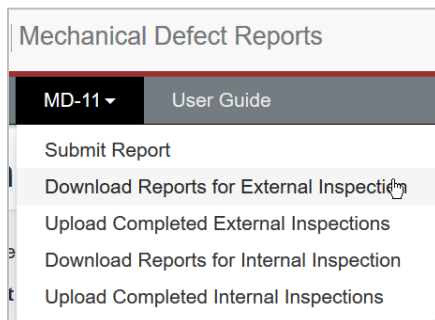
External Inspection

MD Reports allows users to download reports for external inspection and upload completed external inspections. MD Inspectors must have permission for given performer road(s) to download and upload reports. To request permissions, submit your role requests at MD Reports application.

Download Reports

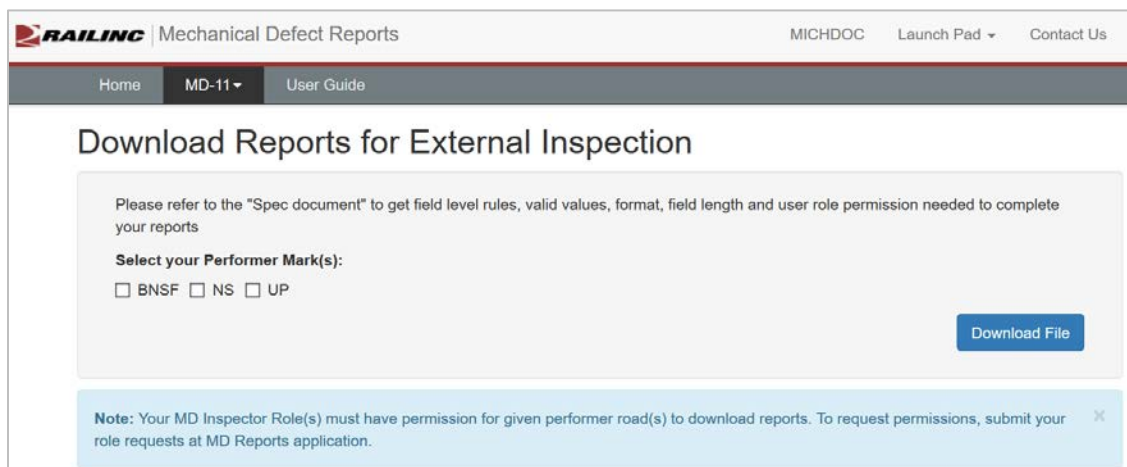
1. From the menu bar, select MD-11 and choose **Download Reports for External Inspection**.

Exhibit 6. Select Download Reports for External Inspection



2. Select your performer mark(s) by clicking inside the checkbox(es) and click **Download File**.

Exhibit 7. Download Reports for External Inspection



3. Open or save the .CSV file to your computer. The .CSV file includes all completed fields that the MD11 Reporter has submitted and empty fields for the MD11 External Inspector to enter.

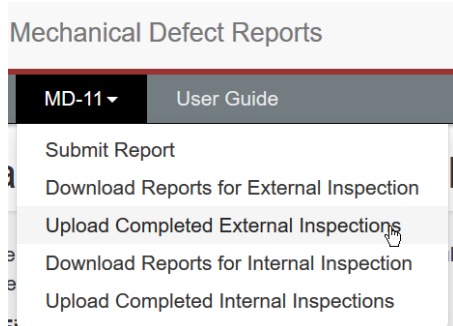
Exhibit 8. File Download

Method of Detection	Elastomer	Side of Eq	Journal Bu	Axle Positi	Why Made	Wheel Ser	External Inspector Name	External Ir	External Ir	External Ir	External Ir	External Ir	External Ir	External Ir	Bearing Cc	Defective	Mat
A	SCTS2-86	L	Y	A		51 425252											
A	SCTS2-86	L	Y	A		51 425252											
A	SCTS2-86	L	Y	A		51 425252											
A	SCTS2-86	L	Y	A		51 425252											
A	SCTS2-86	L	Y	A		51 425252											
A	SCTS2-86	L	Y	A		51 425252											
A	SCTS2-86	L	Y	A		51 425252											
A	SCTS2-86	L	Y	A		51 425252											
A	SCTS2-86	L	Y	A		51 425252											
A	SCTS2-86	L	Y	A		51 425252											
A	SCTS2-86	L	Y	A		51 425252											

- Once the External Inspector has entered the appropriate fields, follow steps for [Upload Completed External Inspections](#). Refer to the [MD11 Specifications Document](#) for field formats and values.

Upload Completed External Inspections

- From the menu bar, select MD-11 and choose **Upload Completed External Inspections**.

Exhibit 9. Select Upload Completed External Inspections

- Browse and selected your completed MD11 Report for External Inspections. Keep in mind:
 - The file is in CSV format and there can be multiple records in one file.
 - Validation takes place during the upload process and even if one record is incorrect, the entire file is rejected.
 - When a file is rejected, an email is sent to the External Inspector with the status of "Rejected" with an attachment of the error messages and codes for making appropriate corrections and uploading again.
 - When a file is accepted, it has passed all the validations and an email is sent to the External Inspector with the status of "Accepted".
 - Long numbers like serial numbers may display as scientific numbers (e.g., 1.23E3+13). This is Microsoft Excel's way of translating long numbers into scientific notations. If widening the affected column does not change it back to a standard number, use these steps before saving and uploading your file:
 - Select the column that has the long number and right-click
 - Select **Format Cells > Custom**
 - Select **0** for **Type** and click **OK**
 - Refer to the [MD11 Specifications Document](#) for valid field formats and values.

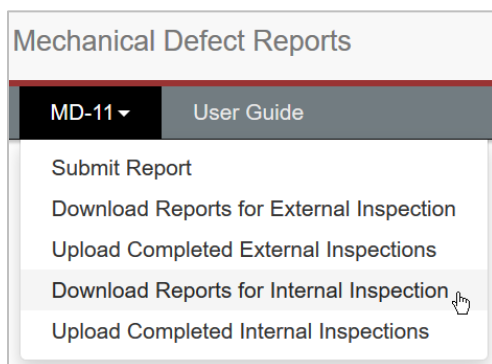
Internal Inspection

MD Reports allows users to download reports for internal inspection and upload completed internal inspections. MD Inspectors must have permission for given performer road(s) to download and upload reports. To request permissions, submit your role requests at MD Reports application.

Download Reports

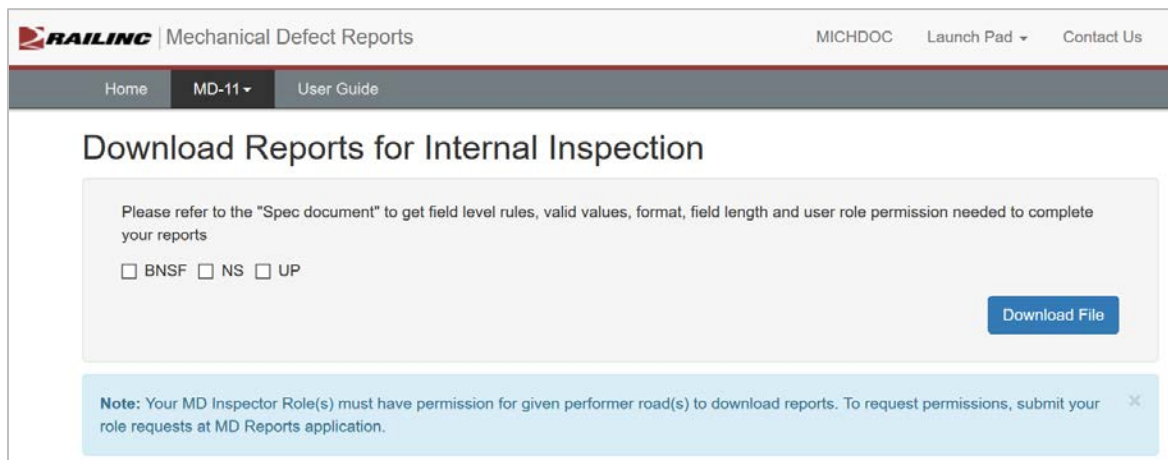
1. From the menu bar, select MD-11 and choose **Download Reports for Internal Inspection**.

Exhibit 10. Select Download Reports for Internal Inspection



2. Select your performer mark(s) by clicking inside the checkbox(es) and click **Download File**.

Exhibit 11. Download Reports for Internal Inspection

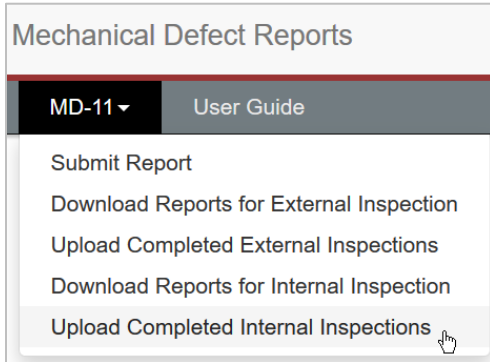


3. Open or save the .CSV file to your computer. The .CSV file includes all completed fields that the MD11 Reporter has submitted and empty fields for the MD11 External Inspector to enter.
4. Once the External Inspector has entered the appropriate fields, follow steps for [Upload Completed Internal Inspections](#). Refer to the [MD11 Specifications Document](#) for field formats and values.

Upload Completed Internal Inspections

1. From the menu bar, select MD-11 and choose **Upload Completed Internal Inspections**.

Exhibit 12. Select Upload Completed Internal Inspections



3. Browse and selected your completed MD11 Report for Internal Inspections. Keep in mind:
 - The file is in CSV format and there can be multiple records in one file.
 - Validation takes place during the upload process and even if one record is incorrect, the entire file is rejected.
 - When a file is rejected, an email is sent to the Internal Inspector with the status of “Rejected” with an attachment of the error messages and codes for making appropriate corrections and uploading again.
 - When a file is accepted, it has passed all the validations and an email is sent to the Internal Inspector with the status of “Accepted”.
 - Long numbers like serial numbers may display as scientific numbers (e.g., 1.23E3+13). This is Microsoft Excel’s way of translating long numbers into scientific notations. If widening the affected column does not change it back to a standard number, use these steps before saving and uploading your file:
 1. Select the column that has the long number and right-click
 2. Select **Format Cells > Custom**
 3. Select **0** for **Type** and click **OK**
 - Refer to the [MD11 Specifications Document](#) for valid field formats and values.

Search MD-11 Reports

The Mechanical Defect Admin User role is the only role with access to use the MD-11 search feature. Users with this access have the ability to view a submitted report by following the steps below.

1. Select **MD-11** from the menu bar and choose **Search MD11 Reports**. The search form offers search criteria examples in gray.
2. Enter your search criteria. For example, select mark from the Performing Mark drop-down field and click **Search**. The Search Results returns with all MD-11 reports for the given mark.

Exhibit 13. Search MD-11 Reports

RAILING | Mechanical Defect Reports

MICHDOC Launch Pad Contact Us Sign

Home MD-11 User Guide

Search MD11 Reports

Equipment Initial: RAIL Equipment Number: 0000123456

MD11 ID: 45ADFT

Reporting Mark: RAIL

Performer Mark:
 BNSF
 CN
 CP
 CSXT
KCS
 NS
 UP

Why Made Code:
 Bearing Size:

Search Reset

3. To view the report, click on the **MD11 ID** link located in the first column of the Search Results (example in [Exhibit 14](#)). For an example of a submitted MD Report, see [Exhibit 5](#).

Exhibit 14. MD-11 Search Results

Search Results - MD11 Reports				
Search :		<input type="text"/>		
MD11 ID	Equipment ID	Repair Date	Reporting Mark	Y Performer...
52UXQB	RAIL0000009999	07/12/2017	RAIL	KCS
AQGUUE	RAIL0000009999	07/07/2017	RAIL	KCS

MD-115 Report

Submit MD-115 Report

Form MD-115 enables users to report information about wheels that are removed for defects. Refer to Rule 41 in the *Field Manual of the AAR Interchange Rules* for more information. Mechanical Defects are overseen by the AAR's Wheel, Axle, Bearing and Lubrication Committee (WABL). If you have questions about completing Form MD-115, send an email to wabl@aar.com. If you experience technical difficulties with the electronic form, contact Railinc's Customer Success Center at csc@railinc.com or 877-724-5462.

Use the following procedure to complete Form MD-115:

Note: Form MD-115 requires that each wheel defect be submitted separately.

2. Log into the MD Reports as described in [Logging In](#) on page 3. The MD Reports Home page is displayed (see [Exhibit 2](#)).
3. Select **MD Reports > MD-115**. The MD-115: Contact Information page is displayed (see [Exhibit 15](#)).

Exhibit 15. MD-115 Contact Information

MD-115: Contact Information

***Disclaimer-MD-115 Form**
 Instructions: This report is to cover wheels which are removed for defects, represented by the following WHY MADE CODES 66, 68, 69, 71, 83 and 85 (see Field Manual of AAR Interchange Rules, Rule 41). All items should be completed. If the number or letters are illegible, please use "XX" where applicable. For MD-115 related comments or questions please email the [WABL Webmaster](#). If you experience any technical issues, please call Railinc at 1-877-724-5462 or email [Customer Support](#).

CONTACT INFORMATION EQUIPMENT DETAILS WHEEL SET DETAILS BRAKE/DEFECT DETAILS ATTACHMENTS

* Indicates required field

Name: * Bill Rail

Phone Number: * 919.651.5000

City: * Cary

Country: * USA State/Province: * NC

Email: * bill@test.com

Railroad/Company: * Other *Select Other if not in the list

Other: * RAIL

Exit Continue

Information on this page is prepopulated based on information in your SSO profile.

Note: The Railroad/Company field is not prepopulated and must be completed to proceed. If you select **Other** for Railroad/Company, you must enter your mark/Company ID.

4. Complete the required fields on the MD-115: Contact Information page, and select **Continue**. The MD-115: Equipment Details page is displayed (see [Exhibit 16](#)).

Exhibit 16. MD-115 Equipment Details

MD-115: Equipment Details

***Disclaimer-MD-115 Form**

Instructions: This report is to cover wheels which are removed for defects, represented by the following WHY MADE CODES 66, 68, 69, 71, 83 and 85 (see Field Manual of AAR Interchange Rules, Rule 41). All items should be completed. If the number or letters are illegible, please use "XX" where applicable. For MD-115 related comments or questions, please email the [WABL Webmaster](#). If you experience any technical issues, please call Railinc at 1-877-724-5462 or email [Customer Support](#).

● CONTACT INFORMATION
● EQUIPMENT DETAILS
● WHEEL SET DETAILS
● BRAKE/DEFECT DETAILS
● ATTACHMENTS

*** Indicates required field**

Equipment Initial: *	<input type="text" value="RAIL"/>	Equipment Number: *	<input type="text" value="1"/>
Kind of Equipment: *	<input type="text" value="Caboose"/>	Repair Date: *	<input type="text" value="03/01/2017"/>
Date of Failure: *	<input type="text" value="03/02/2017"/>		
Loaded/Empty:	<input type="text" value="Unknown"/>	Axle Location: *	<input type="text" value="W"/>
Method of Detection: *	<input type="text" value="Derailment"/>		
Side of Equipment: *	<input type="text" value="Right"/>		
Number of Equipment Derailed:	<input type="text"/>		

Exit
Back
Continue

- Complete the required fields on the MD-115: Equipment Details page, and select **Continue**. The MD-115: Wheel Set Details page is displayed as seen in [Exhibit 17](#).

Notes:

- The Date of Failure field must contain a valid date within the past year. If the date of failure is older than one year, please contact TTCI at wabl@aar.com.
- The Repair Date field must contain the current date or an earlier date.

Exhibit 17. MD-115 Wheel Set Details

MD-115: Wheel Set Details																	
<p style="text-align: center;">*Disclaimer-MD-115 Form</p> <p>Instructions: This report is to cover wheels which are removed for defects, represented by the following WHY MADE CODES 66, 68, 69, 71, 83 and 85 (see Field Manual of AAR Interchange Rules, Rule 41). All items should be completed. If the number or letters are illegible, please use "XX" where applicable. For MD-115 related comments or questions please email the WABL Webmaster. If you experience any technical issues, please call Railinc at 1-877-724-5462 or email Customer Support.</p>																	
● CONTACT INFORMATION	● EQUIPMENT DETAILS	● WHEEL SET DETAILS	● BRAKE/DEFECT DETAILS	● ATTACHMENTS													
<p>* Indicates required field</p> <table style="width: 100%;"> <tr> <td style="width: 50%;">Wheel Set Component Init: <input type="text"/></td> <td style="width: 50%;">Wheel Set Component Number: <input type="text"/></td> </tr> <tr> <td>Narrow Flange Finger Reading: * <input type="text" value="1"/></td> <td>Rim Thickness: * <input type="text" value="09"/></td> </tr> <tr> <td>Journal Size: * <input type="text" value="5.5 X 10"/></td> <td>Class of Heat Treatment: * <input type="text" value="A"/></td> </tr> <tr> <td>Wheel Type: * <input type="text" value="1 Wear"/></td> <td>Wheel Diameter: * <input type="text" value="28"/></td> </tr> <tr> <td>DefectType: * <input type="text" value="69-Thermal Crack Extending into Plate"/></td> <td>Click for sample Picture</td> </tr> <tr> <td>Front Discoloration Measurement: * <input type="text" value="3"/></td> <td rowspan="2" style="background-color: #e0f0ff; padding: 5px;"> If wheel is discolored per FRA 215, 103(h), record number of inches of discoloration. If Discoloration is not available, please enter XX. </td> </tr> <tr> <td>Back Discoloration Measurement: * <input type="text" value="4"/></td> </tr> </table>					Wheel Set Component Init: <input type="text"/>	Wheel Set Component Number: <input type="text"/>	Narrow Flange Finger Reading: * <input type="text" value="1"/>	Rim Thickness: * <input type="text" value="09"/>	Journal Size: * <input type="text" value="5.5 X 10"/>	Class of Heat Treatment: * <input type="text" value="A"/>	Wheel Type: * <input type="text" value="1 Wear"/>	Wheel Diameter: * <input type="text" value="28"/>	DefectType: * <input type="text" value="69-Thermal Crack Extending into Plate"/>	Click for sample Picture	Front Discoloration Measurement: * <input type="text" value="3"/>	If wheel is discolored per FRA 215, 103(h), record number of inches of discoloration. If Discoloration is not available, please enter XX.	Back Discoloration Measurement: * <input type="text" value="4"/>
Wheel Set Component Init: <input type="text"/>	Wheel Set Component Number: <input type="text"/>																
Narrow Flange Finger Reading: * <input type="text" value="1"/>	Rim Thickness: * <input type="text" value="09"/>																
Journal Size: * <input type="text" value="5.5 X 10"/>	Class of Heat Treatment: * <input type="text" value="A"/>																
Wheel Type: * <input type="text" value="1 Wear"/>	Wheel Diameter: * <input type="text" value="28"/>																
DefectType: * <input type="text" value="69-Thermal Crack Extending into Plate"/>	Click for sample Picture																
Front Discoloration Measurement: * <input type="text" value="3"/>	If wheel is discolored per FRA 215, 103(h), record number of inches of discoloration. If Discoloration is not available, please enter XX.																
Back Discoloration Measurement: * <input type="text" value="4"/>																	
<p>Hub Stamp 1</p> <table style="width: 100%;"> <tr> <td style="width: 50%;">Mounting Date: * <input type="text" value="XX"/> <input type="text" value="2016"/></td> <td style="width: 50%;">Wheel Shop Mark: * <input type="text" value="RAIL"/></td> </tr> <tr> <td colspan="2" style="text-align: center;"> <div style="display: inline-block; width: 48%;"> Defective Wheel Wheel Serial Number: * <input type="text" value="1233"/> Date Manufactured: * <input type="text" value="01"/> <input type="text" value="2016"/> Wheel Manufacturer: * <input type="text" value="FW"/> Wheel Design Designation: * <input type="text" value="A"/> </div> <div style="display: inline-block; width: 48%;"> Mate Wheel Wheel Serial Number: * <input type="text" value="12345"/> Date Manufactured: * <input type="text" value="01"/> <input type="text" value="2016"/> Wheel Manufacturer: * <input type="text" value="FM"/> Wheel Design Designation: * <input type="text" value="A"/> </div> </td> </tr> </table>					Mounting Date: * <input type="text" value="XX"/> <input type="text" value="2016"/>	Wheel Shop Mark: * <input type="text" value="RAIL"/>	<div style="display: inline-block; width: 48%;"> Defective Wheel Wheel Serial Number: * <input type="text" value="1233"/> Date Manufactured: * <input type="text" value="01"/> <input type="text" value="2016"/> Wheel Manufacturer: * <input type="text" value="FW"/> Wheel Design Designation: * <input type="text" value="A"/> </div> <div style="display: inline-block; width: 48%;"> Mate Wheel Wheel Serial Number: * <input type="text" value="12345"/> Date Manufactured: * <input type="text" value="01"/> <input type="text" value="2016"/> Wheel Manufacturer: * <input type="text" value="FM"/> Wheel Design Designation: * <input type="text" value="A"/> </div>										
Mounting Date: * <input type="text" value="XX"/> <input type="text" value="2016"/>	Wheel Shop Mark: * <input type="text" value="RAIL"/>																
<div style="display: inline-block; width: 48%;"> Defective Wheel Wheel Serial Number: * <input type="text" value="1233"/> Date Manufactured: * <input type="text" value="01"/> <input type="text" value="2016"/> Wheel Manufacturer: * <input type="text" value="FW"/> Wheel Design Designation: * <input type="text" value="A"/> </div> <div style="display: inline-block; width: 48%;"> Mate Wheel Wheel Serial Number: * <input type="text" value="12345"/> Date Manufactured: * <input type="text" value="01"/> <input type="text" value="2016"/> Wheel Manufacturer: * <input type="text" value="FM"/> Wheel Design Designation: * <input type="text" value="A"/> </div>																	
<p>Hub Stamp 2</p> <table style="width: 100%;"> <tr> <td style="width: 50%;"> Defective Wheel Mounting Date: <input type="text" value="12"/> <input type="text" value="2015"/> Wheel Shop Mark: <input type="text" value="AARE"/> </td> <td style="width: 50%;"> Mate Wheel Mounting Date: <input type="text" value="01"/> <input type="text" value="XXXX"/> Wheel Shop Mark: <input type="text" value="AKDN"/> </td> </tr> </table>					Defective Wheel Mounting Date: <input type="text" value="12"/> <input type="text" value="2015"/> Wheel Shop Mark: <input type="text" value="AARE"/>	Mate Wheel Mounting Date: <input type="text" value="01"/> <input type="text" value="XXXX"/> Wheel Shop Mark: <input type="text" value="AKDN"/>											
Defective Wheel Mounting Date: <input type="text" value="12"/> <input type="text" value="2015"/> Wheel Shop Mark: <input type="text" value="AARE"/>	Mate Wheel Mounting Date: <input type="text" value="01"/> <input type="text" value="XXXX"/> Wheel Shop Mark: <input type="text" value="AKDN"/>																
<p>Hub Stamp 3</p> <table style="width: 100%;"> <tr> <td colspan="2" style="text-align: center;">Locking Tab</td> </tr> <tr> <td style="width: 50%;">Mounting Shop Mark: * <input type="text" value="RAIL"/></td> <td style="width: 50%;">New or Reconditioned: * <input type="text" value="R"/></td> </tr> <tr> <td colspan="2">Date Manufactured / Reconditioned: * <input type="text" value="12"/> <input type="text" value="2016"/></td> </tr> <tr> <td colspan="2">Reconditioned Shop Mark: * <input type="text" value="RAIL"/></td> </tr> </table>					Locking Tab		Mounting Shop Mark: * <input type="text" value="RAIL"/>	New or Reconditioned: * <input type="text" value="R"/>	Date Manufactured / Reconditioned: * <input type="text" value="12"/> <input type="text" value="2016"/>		Reconditioned Shop Mark: * <input type="text" value="RAIL"/>						
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Mounting Shop Mark: * <input type="text" value="RAIL"/>	New or Reconditioned: * <input type="text" value="R"/>																
Date Manufactured / Reconditioned: * <input type="text" value="12"/> <input type="text" value="2016"/>																	
Reconditioned Shop Mark: * <input type="text" value="RAIL"/>																	
Exit Back Continue																	

6. Complete the required fields on the MD-115: Wheel Set Details page, and select **Continue**. The MD-115: Brake/Defect Details page is displayed as seen in [Exhibit 18](#).

Note: For date fields on the Wheel Set Details page (e.g., Mounting Date), if the information is unknown, select or enter XX for the month and XXXX for the year (using all-caps). Keep in mind that you can only enter dates for the last 50 years.

Exhibit 18. MD-115 Brake/Defect Details

MD-115: Brake/Defect Details

***Disclaimer-MD-115 Form**

Instructions: This report is to cover wheels which are removed for defects, represented by the following WHY MADE CODES 66, 68, 69, 71, 83 and 85 (see Field Manual of AAR Interchange Rules, Rule 41). All items should be completed. If the number or letters are illegible, please use "XX" where applicable. For MD-115 related comments or questions please email the [WABL Webmaster](#). If you experience any technical issues, please call Railinc at 1-877-724-5462 or email [Customer Support](#).

CONTACT INFORMATION EQUIPMENT DETAILS WHEEL SET DETAILS **BRAKE/DEFECT DETAILS** ATTACHMENTS

*** Indicates required field**

Brake Shoe Standard to Equipment: * Standard cast iron shoe

Brake Shoe on Failed Wheel: * Standard cast iron shoe

Any Signs of Following on the Wheel:

Brake Rigging Misalignment: ☐ Yes ☐ No

Stuck Brake: ☐ Yes ☒ No

Body Mounted Brake: ☒ Yes ☐ No

[Clear Selection](#)

Plate Type: * Curved Plate

Indicate Location of Defect: * Plate

Number of Inches of Crack/Break in Rim Plate or Hub: * 2

Comments/Mate Wheel Defects: This is a comment

[Exit](#) [Back](#) [Continue](#)

7. Complete the required fields on the MD-115: Brake/Defect Details page, and select **Continue**. The MD-115: Attachments page is displayed as seen in [Exhibit 19](#).

Exhibit 19. MD-115 Attachments

***Disclaimer-MD-115 Form**

Instructions: This report is to cover wheels which are removed for defects, represented by the following WHY MADE CODES 66, 68, 69, 71, 83 and 85 (see Field Manual of AAR Interchange Rules, Rule 41). All items should be completed. If the number or letters are illegible, please use "XX" where applicable. For MD-115 related comments or questions please email the [WABL Webmaster](#). If you experience any technical issues, please call Railinc at 1-877-724-5462 or email [Customer Support](#).

CONTACT INFORMATION EQUIPMENT DETAILS WHEEL SET DETAILS BRAKE/DEFECT DETAILS **ATTACHMENTS**

It is recommended your attachments include at least 3 pictures of the failure and 1 picture of the locking plate. The following formats are accepted: (.JPG, .PNG, .TIFF, .GIF)
There is a 10MB size limit for each individual image

Attachment File : [Choose File](#) No file chosen

Files Attached:

File No.	File Name	Size	Action
1	waybill 1.png	34.42 KB	Remove
2	waybill 2.png	32.61 KB	Remove
3	SV.png	42.37 KB	Remove
4	Wheel picture.PNG	29.87 KB	Remove

[Exit](#) [Back](#) [Submit](#)

8. Select **Choose File** to add attachments as needed on the MD-115: Attachments page. It is recommended that you add at least three pictures of the failure and one picture of the locking plate. You can attach up to five files.

Notes:

- You can attach files in the following formats: .JPG, .PNG, .TIFF, and .GIF. There is a 10 MB size limit for each individual image.
 - You can select **Remove** to remove an attached file from the form.
 - The recommended attachments are requested but are not required to submit Form MD-115. However, once the form is submitted, you will not be able to update the submission with attachments.
 - Before you submit the form, you can return to any previously completed page by selecting one of the page names at the top of the form. You can navigate between pages by selecting the **Back** and **Continue** buttons. However, once you submit the form, you will not be able to go back to the form to view it or make any changes. Once the form is successfully submitted, you can print a copy for your records (see below).
9. When you have completed the form, select **Submit**. A submission success/failure message is displayed at the top of the MD-115: Attachments page as seen in [Exhibit 20](#).

Exhibit 20. MD-115 Report Submission Success/Failure Message

The screenshot shows a modal dialog box with a title bar that says "MD Report Submitted Successfully" with an information icon on the left. The main content area has a light gray background and contains the following text: "Thank you for submitting your MD Report. Please select the Print button below to print a copy of the completed form for your records. Select Cancel if you do not want a printed copy. Note: This is your only opportunity to print the completed form. You will not be able to return to the completed form to view or print it." At the bottom right of the dialog, there are two buttons: "Print" and "Cancel".

Select **Print** to print a copy of the completed form for your records.

Important: This is your only opportunity to print the completed form.

Once the form has printed, select **Exit**. A new, blank Contact Information page is displayed.

If you do not want to print a copy of the form, select **Cancel**. A new, blank Contact Information page is displayed.

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