



Locomotive Inspection and Repair Record

U.S. Department of Transportation
Federal Railroad Administration

See reverse for Paperwork Reduction Act Statement

OMB No.2130-0004

Year: 2023	1. Operated by: BNSF Railway	RR Code: BNSF	2. Owned by: BNSF	RR Code: BNSF
3. Model No. SD70ACE	4. Loco No. BNSF 9231	If renumbered, Prev. No. INXX0000000000	5. Year Built 2008	Check if new loco. <input type="checkbox"/>
6. Propelled by: DE	7. Horsepower 4300	8. Type of Service: Passenger <input type="checkbox"/> Road <input checked="" type="checkbox"/> Yard <input type="checkbox"/> Other <input type="checkbox"/>	9. Steam Gen. a. No.:	b. Working Pressure _____
10. Max. Piston Travel 8 in.	Type of Air Brake: CCB2	Air Dryer Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	11. Out of use Credit: 0	12. Last Periodic Inspection a. Date 09/17/2022
b. Place LINCOLN,NE	AFM CAL. 229.29(b)	92 day max. interval	Previous date: 12/20/2022	Date & Cert:03/06/2023 Kyle Walker
Date & Cert:06/19/2023 Maria Morales	Date & Cert:07/20/2023 Kyle Walker	Date & Cert:09/07/2023* Gary Thomalla	PERIODIC INSPECTIONS	
Check one:	<input type="checkbox"/> 92 days per 229.23(a)	<input checked="" type="checkbox"/> 184 days per 229.23(b)(1) only		
13.Date: Mo/Day/Yr	14. Place	15. Items*	16. Person Conducting	15. Items*
16. Person Conducting	17. Certified by			
03/06/2023	ALLIANCE,NE	1	Kyle Walker	3, 5
03/06/2023	ALLIANCE,NE	2, 3, 4, 7	Adalberto Rodriguez	
09/07/2023	ALLIANCE,NE	1	Gary Thomalla	3, 5
09/07/2023	ALLIANCE,NE	2, 3, 4, 7	Gary Johnson	
* 15. Item Code: 1. Brakes 2. Running Gear 3. Cab Equip 4. Mech Equip 5. Elect Equip 6. Steam Gen 7. Safety Appl				
TESTS	18. H&H Test Pressure NA	19. Waiver Part 229 2005-21613	20. Waiver - Other N/A	
Type	Interval Not more than:	21. Person Conducting	22. Test Date & Place	23. Certified by
24. Previous Test Date & Place				
Event Recorder 229.25(d) or 229.27(c)	No.of days : 368	Anton Scherbarth	09/07/2023 ALLIANCE, NE	Robert Ruzicka
03/06/2023 ALLIANCE, NE	Annual Tests 229.27		NA	
368 days				NA
NA	Hand Brake 232.105(c)	368 days	Adalberto Rodriguez	03/06/2023 ALLIANCE, NE
03/06/2022 LINCOLN, NE	Air Brakes: Level 1 229.29(c)(1)	368 days	Gary Thomalla	09/07/2023 ALLIANCE, NE
03/06/2023 ALLIANCE, NE	Level 2 229.29(c)(2)	No.of days :		
	FRAGMENTED			
	Level 3 229.29(c)(3)	No.of days :		
	FRAGMENTED			
	Hammer and Hydro 229.31	736 days	DRILLED	

In accordance with the Locomotive Inspection Act, 49 USC Chapter 207 and the regulations issued pursuant to that Act, the parts and appurtenances of the locomotive unit have been inspected and all defects disclosed by the inspection have been properly repaired.

Certification of true copy: I certify that this is a true copy of the inspection and repair record of locomotive no. _____

Attention: A false entry on this form is punishable by fine or imprisonment (18 USC Sec1001)

Officer-in-charge _____ Date _____

INSTRUCTIONS: This Locomotive Inspection and Repair Record (Record or F6180-49A) covers a calendar year, except as noted. The Record for the preceding calendar year shall be retained in the locomotive until the first periodic inspection of the new year or, until the Record is replaced on April 2 or July 3 (if 184 day eligible) as required by 49 CFR 229.23(g) or, until the locomotive changes ownership (see 2 below.) Enter the requested information in each block. Special instructions are given below.

1. **OPERATED BY:** Enter the name and code of the primary railroad operating the locomotive at the time this Record is placed in it. Operator changes, including dates, shall be noted in "Remarks." The "RR Code" is as assigned by FRA to the railroad.
2. **OWNER:** Enter the name and RR Code of the owner. Changes in ownership shall be submitted as final reports.
3. **LOCOMOTIVE NO.:** Enter digits only. Include letters if they differ from the "RR Code." If renumbered, enter the previous number.
4. **YEAR BUILT:** Enter the year the locomotive was built and check if new. If remanufactured per 49 CFR 229.5, enter "RM" and the year.
5. **PROPELLED BY:** Enter Diesel-Electric (D-E), Electric (E), Electric Multiple Unit (MU), Diesel Multiple Unit (DMU), MU Control Cab (MUC), Non-MU Control Cab (NMUC), Turbine (T), Torque Converter (TC), or Other (O).
6. **MAXIMUM PISTON TRAVEL:** Enter only "nominal" travel. Do not include the manufacturer's tolerance.
7. **OUT-OF-USE CREDIT:** Enter the number of creditable calendar days the locomotive was out-of use since the last periodic inspection on the previous F6180-49A. Less than 30 consecutive calendar days for any out-of-use period may not be counted per 49 CFR 229.33. For current periods out-of-use, an entry "Out-of-use from _____ to _____" shall be made on a Periodic Inspection line and certified when a locomotive which would otherwise be due for inspection is out-of-use. If the locomotive is out of use at the end of the annual reporting period, complete the "To" entry with the last day of the period. An entry shall then be made on the new Record showing the first day of the new reporting period as the "From" date.
8. **LAST PERIODIC INSPECTION:** When a new Record is placed in the locomotive transfer the last periodic inspection information into block 12 a & b and the last test information into column 24 of the new Record. Tests that are not applicable should be noted "NA".
9. **AFM CAL.:** Enter the date of the last Air Flow Method Indicator (AFM) calibration from the previous year. Enter and certify subsequent calibrations as they are done.
10. **PERIODIC INSPECTIONS:** Check 184 days only if the locomotive qualifies per 49 CFR 229.23(b)(1) and the railroad chooses to abide by the requirement for 33 day QMI Daily inspections, otherwise check 92 days. Persons making the required inspections shall sign and list the item codes inspected. The employee's supervisor shall certify that the inspections were completed.
11. **H&H:** Enter the test pressure for the hydrostatic air reservoir test. If the reservoirs are drilled, enter "NA" here and "Drilled" in the Hammer and Hydro line below.
12. **WAIVERS:** Any waiver applicable to this locomotive shall be entered by waiver number in block 19 if a waiver from Part 229, or block 20, if a waiver from any other regulation. Enter explanatory information regarding the scope and content of each waiver under "Remarks".
13. **TESTS:** The maximum number of days for Event Recorder, Level 2 and Level 3 air brake tests shall be entered per the referenced sections of 49 CFR 229. Where the railroad has chosen to fragment air brake clean, repair and test requirements as permitted under 49 CFR 229.29, a separate air record shall be maintained in the cab of the locomotive and the word "Fragmented" shall be entered in the Level 2 and Level 3 lines.

REPAIRS: Special notes relating to repairs performed to restore compliance.

NOISE: Enter any noise tests or related information in accordance with 49 CFR 210.31.

Location of Test: EMD, LONDON, ON

Type of test: LOAD CELL

Date of test: 11/01/2005

Maximum Sound Level at Idle: 67.00

Maximum Sound Level at Notch: 87.00

REMARKS: Additional explanatory or clarifying information.

Main Reservoir Safety Valve Set for 150 PSI.

FRA Test Waiver Number 2005-21613 to extend COTS interval.

AFM CAL 229.29(b): Remaining AFM transaction(s) performed within the reporting year

Date Certified by

11/29/2023 Adam Reinhart

Event Recorder Equipped: EMD FIRE GEN 3

Public reporting burden for this collection of information is estimated to average 15 minutes per response including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. All responses to this collection of information are mandatory. A federal agency may not conduct or sponsor, and a person is not required to, nor shall a person be subject to a penalty for failure to comply with, a collection of information unless that collection of information displays a current OMB Number. The OMB control number for this information is 2130-0004. Anyone with comments regarding this burden estimate or any other aspect of this information collection, including suggestions for reducing this burden, may send them to: Information Clearance Officer, Federal Railroad Administration, 1200 New Jersey Ave. SE, MS-25, Washington, DC 20590

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BNSF Substitute for FRA Form F6180-49A



Locomotive Air Brake Inspection Report

Loco No.

Air Brake Type

Waiver Air Card (If applicable)

BNSF 9231	CCB2
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Item	Air Brake Component	Interval-Not More than (Days)	Person Conducting	Test Date	Test Place	Certified By	Previous Date	Previous Place
BPCP	Brake Pipe Control Portion	3680	Aaron Branstiter	07/25/2023	ALLIANCE, NE	Aaron Branstiter	07/24/2023	ALLIANCE, NE
ERCP	Equalizing Reservoir Control Portion	3680					08/27/2018	ALLIANCE, NE
DBTV	DB Triple Valve Portion	3680					08/27/2018	ALLIANCE, NE
16CP	16 Control Portion	3312					09/05/2017	ALLIANCE, NE
20CP	20 Control Portion	3680					08/27/2018	ALLIANCE, NE
BCCP	Brake Cylinder Control Portion	3680					08/27/2018	ALLIANCE, NE
13CP	13 Control Portion	3680					08/27/2018	ALLIANCE, NE
VV1F	Vent Valve Front	3680					07/02/2016	LINCOLN, NE
VV1R	Vent Valve Rear	3680					07/02/2016	LINCOLN, NE
150P	Safety Valve 150#	3680					07/02/2016	LINCOLN, NE
MRCK	MR Check Valve	3680					07/02/2016	LINCOLN, NE
EQCK	EQRES Check Valve	3680					07/02/2016	LINCOLN, NE
21VV	21 Pipe Vent Valve	3680					02/27/2021	NORTHTOWN, MN