



**DCA16MR011**  
**NJT**  
**Collision of Train 1614**  
**Hoboken Station**  
**Hoboken, NJ**  
**September 29, 2016**

## **Attachment 8**

FRA form F6180-49A Locomotive Inspection  
Record and Repair Record-locomotive 4214



U.S. Department of Transportation  
Federal Railroad Administration

# Locomotive Inspection and Repair Record

See reverse for Paperwork Reduction Act Statement

OMB No.2130-0004

Year: <b>2015</b>		1. Operated by: <b>NJTRO</b>		RR Code: <b>0636</b>		2. Owned by: <b>NJTRO</b>		RR Code: <b>0636</b>	
3. Model No. <b>COMET J</b>		4. Loco No. <b>6036</b>		5. Year Built <b>2008</b>		Check if new loco <input type="checkbox"/>			
6. Propelled by: <b>NMCC</b>		7. Horsepower <b>N/A</b>		8. Type of Service: Passenger <input checked="" type="checkbox"/> Road <input type="checkbox"/> Yard <input type="checkbox"/> Other <input type="checkbox"/>		9. Steam Gen. & No.: <b>N/A</b>		10. Max. Piston Travel <b>N/A</b> in. (see REM)	
Type of Air Brake: <b>EPIC-2</b>		Air Dryer: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		11. Out of use Credit:		12. Last Periodic Inspection: <b>11-19-14</b>		a. Date <b>11-19-14</b> b. Place <b>LONG BRANCH, N.J.</b>	
AFM CAL 229 29(b)		92 day max. interval		Previous date: <b>N/A</b>		Date & Cert: <b>N/A</b>		Date & cert: <b>N/A</b>	
PERIODIC INSPECTIONS									
Check one: <input checked="" type="checkbox"/> 92 days per 229.23(a) <input type="checkbox"/> 184 days per 229.23(b) only									
13. Date: Mo/Da/Yr		14. Place		15. Items*		16. Person Conducting		17. Certified by	
2-5-15		SEI KEARNY, N.J.		1,2,4,7		[REDACTED]		[REDACTED]	
5-6-15		Hoboken, NJ		1,2,4,7		[REDACTED]		[REDACTED]	
OUT OF SERVICE									
8-11-15		SEI KEARNY, N.J.		1,2,4,7		[REDACTED]		[REDACTED]	
11-6-15		HOBOKEN, N.J.		1,2,4,7		[REDACTED]		[REDACTED]	
* 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		19. Waiver Part 229		20. Waiver - Other			
Type		Interval Not more than:		21. Person Conducting		22. Test Date & Place		23. Certified by	
Event Recorder 229.25(d) or 229.27(c)		No. of days		[REDACTED]		2-5-15 mmc/sti KEARNY, N.J.		3-19-14 mmc KEARNY, N.J.	
Annual Tests 229.27		368 days		[REDACTED]		2-5-15 sti KEARNY, N.J.		3-18-14 mmc KEARNY, N.J.	
Hand Brake 232.103(c)		368 days		[REDACTED]		2-5-15 sti KEARNY, N.J.		3-18-14 mmc KEARNY, N.J.	
Air Brakes: Level 1 229.29(c)(1)		368 days		[REDACTED]		2-5-15 SEI KEARNY, N.J.		3-18-14 mmc KEARNY, N.J.	
Level 2 229.29(c)(2)		No. of days		[REDACTED]		[REDACTED]		3-18-14 mmc KEARNY, N.J.	
Level 3 229.29(c)(3)		No. of days		[REDACTED]		[REDACTED]		3-18-14 mmc KEARNY, N.J.	
Hammer and Hydro 229.31		736 days		[REDACTED]		[REDACTED]		3-18-14 mmc KEARNY, N.J.	
TANKS - 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. **6036**

Attention: A false entry on this form is punishable by fine or imprisonment (18 USC Sec 1001)

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(f) or, until the locomotive changes ownership (see 2 below.) Enter the requested information in each block. Special instructions are given below.

- 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.
- OWNER:** Enter the name and RR Code of the owner. Changes in ownership shall be submitted as final reports.
- LOCOMOTIVE NO.:** Enter digits only. Include letters if they differ from the "RR Code." if renumbered, enter the previous number.
- 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.
- 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).
- MAXIMUM PISTON TRAVEL:** Enter only "nominal" travel. Do not include the manufacturer's tolerance.
- 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.
- 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".
- 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.
- 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.
- PSI:** 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.
- 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".
- 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 on 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.

TTC PUEBLO, CO. PASS-BY 4-6-2002.....69DbzB

**REMARKS:** Additional explanatory or clarifying information.

This locomotive / cab car / MU car is equipped with Unitized units: a self-contained brake system component that generates the force to apply the brake shoe or brake pads to the wheel or disc. Unitized units incorporate an automatic slack adjuster and the piston stroke cannot be measured.  
Event Recorder Equipped: ANSA 120 (CASES)

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

Locomotive Inspection and Repair Record

U.S. Dept. Of Transportation  
Federal Railroad Administration

See reverse for Paperwork Reduction Act Statement

OMB No. 2130-0004

Year: 2016	1. Operated by: New Jersey Transit Rail Operations		RR Code: 0636	2. Owned by: New Jersey Transit Rail Operations		RR Code: 0636
3. Model No. GP40-PH2-B		4. Loco No. 4214		5. Year Built RE:1994		Check if new loco. <input type="checkbox"/>
6. Propelled by: DIESEL		7. Horsepower 3000	8. Type of Service: Road <input type="checkbox"/> Yard <input type="checkbox"/> Passenger <input checked="" type="checkbox"/> Other <input type="checkbox"/>		9. Steam Gen. a. No. N/A	b. Working Pressure N/A
Type of Air Brake: 26L CS2		Air Dryer Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		11. Out of use Credit:		12. Last Periodic Inspection a. Date 4/12/16
b. Place KEARNY, N.J.		AFM CAL. 229.29(b)		92 day max. interval	Previous date: N/A	Date & Cert: N/A
Date & Cert: N/A		Date & Cert: N/A		Date & Cert: N/A		Date & Cert: N/A
PERIODIC INSPECTIONS		Check One:		<input checked="" type="checkbox"/> 92 days per 229.23(a)		<input 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:
		Out of service from:	7/11/2016	TO	7/18/2016	
7/18/2016	KEARNY, NJ	3-5		1		
7/18/2016	KEARNY, NJ	2-4-7				
*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 N/A		19. Waiver Part 229 4 Year Air Brake FRA-2007 - 28306		20. Waiver -Other
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 days					1/14/2016 HOBOKEN, N.J.
Annual Tests 229.27	368 days					1/14/2016 HOBOKEN, N.J.
Hand Brake 232.105(c)	368 days					1/14/2016 HOBOKEN, N.J.
Air Brakes: Level 1 229.29(c)(1)	368 days					1/14/2016 HOBOKEN, N.J.
Level 2 229.29(c)(2)	1472 days:					4/13/2013 KEARNY, NJ
Level 3 229.29(c)(3)	1472 days:					4/13/2013 KEARNY, NJ
Hammer and Hydro 229.31	736 days	N/A				Drilled

In accordance with the Locomotive Inspection Act 49 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 records of locomotive no. 4214

Attention: A false entry on this form is punishable by fine or imprisonment (18 USC Sec 1001)

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 1844 day eligible) as required by 49 CFR 229.23(f) 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 CFR 49 229.33. 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 as the "From" date.
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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 222.29, a separate air record shall be maintained on the cab of the locomotive and the work "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.

JUNIATA SHOP – LOAD CELL  
6/15/1994      71Db – 88Db

**REMARKS:** Additional explanatory or clarifying information.

EVENT RECORDER EQUIPPED: Invensys-Q1036

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 2130-004. Anyone with comments regarding this burden estimate or any aspect of this information collection, including suggestions for reducing this burden, may send them to: Information Clearance Officer, Federal Railroad Administration, 1200 New Jersey Avenue, SE, MS-25, Washington, DC 20590.