

Private Car Annual Inspection Report

PC-1 Page 1 of 4 Requires PC-1A, PC-1B, PC-3, PC-4, PC-6, PC-7 PC-5 if clearances were modified

| (Please Print) | | | | | |
|----------------------|-------------|----------|----------------------|--------------|--|
| Amtrak Car Number | Car Name/Nu | mber | Inspection Date | Location | |
| Car Type | Year Built | Amtrak A | Authorized Inspector | Phone Number | |

| Owner's Name | | | | Phone Number | |
|---|----------------------|------------|-----------------|--------------|--|
| Address | | City | State | Zip Code | |
| Air Brake Type | Relay Valve Type | COT&S Date | COT&S Location | n | |
| Lube Date | Coupler Type 'A' End | | Coupler Type 'B | ' End | |
| <u>Amtrak Authorized inspector shall initial</u> each line when that item is in compliance, any item not applicable should be marked N/A. Car must have all defects repaired before Inspector signs the completed form. <u>*Note – star items</u> in list are only a suggested defect list, and may not be complete. | | | | | |

| Ins | pection Items | Initial |
|-----|---|---------|
| 1. | Effective October 1, 2014, verify that the wheelset component serial numbers and AAR | |
| | wheel shop information of all current wheelsets on the car (check against Form PC-4) are | |
| | documented on Form PC-6, including axle test reports and AAR wheel shop component | |
| | information sheets. Verify that all wheelsets do not have wheels or axles which are | |
| | condemnable under AAR Field Manual Rule 90.B.6.a through 90.B.6.1 and 90.B.6.n. | |
| 2. | Verify that all periodic axle and wheel ultrasonic inspections have been performed when due | |
| | and documented on Form PC-7 | |
| 3. | Effective October 1, 2014, verify that any wheelset installed on car since last PC-1 | |
| | Inspection (check against Form PC-4) is documented to be assembled by AAR certified | |
| | wheel shop per AAR S-659 and RP-631 procedures; wheels are AAR M-107/M-208 | |
| | wrought steel; axle is AAR M-101 Grades F, G or H; new axle ultrasonically tested both | |
| | axially and radially; used or secondhand bare axle magnetic particle tested using fluorescent | |
| | (black light) wet method and surface defects repaired; used wheelset axle ultrasonically | |
| | inspected; bearings either new or AAR shop reconditioned; and AP style bearings have | |
| | mounting shop ID and date stamped on locking plate. Axles condemned through ultrasonic | |
| | testing are to have both end caps removed, a 3" groove (cut or ground) into the end of the | |
| | axle, and both axle body and ends painted red. | |
| 4. | Verify that the following Private Car forms are kept on the car, and are up-to-date: Form PC- | |
| | 3 Route/Mileage Log, Form PC-4 Shop Report, Form PC-6 Wheelset Serial Number | |
| | Records, and Form PC-7 Axle and Wheel Periodic Ultrasonic Test Results. | |
| 5. | Verify that the last Form PC-2A periodic heavy inspection time or mileage limits will not | |
| | expire during the next 12 months; if so the PC-2A inspection must be repeated prior to | |
| | conducting the PC-1 Annual Inspection. | |
| 6. | Check that Amtrak 800000 ID number is on both left and right sides of car at B or blind end. | |
| | Verify that both sides of car are equipped with AEI transponder tags. | |
| 7. | Verify that car is fully equipped with Amtrak HEP electrical trainlines, 27 point Door | |
| | Control/Communication pass-through trainline (must have by January 1, 2014), and a main | |
| | air reservoir trainline. HEP trainlines are on both A and B ends, and right and left sides. | |
| | HEP trainline connections conform to Amtrak pigtail and receptacle arrangement. | |

| Amtrak Car | Car Name/Number | Inspection Date | Location | |
|-------------------|---------------------------|--------------------------|-------------------------------------|----------|
| Number | | inspection Date | | |
| | <u> </u> | | · · · · · · | T |
| | | | cessive corrosion, and all car | |
| | | | ecurely attached. Verify that car | |
| | ly finished and lettered | | | |
| | | | e last Amtrak PC-5 Clearance | |
| | | | Perform new PC-5 Clearance | |
| | mensions have change | | | |
| 10. Check bearing | s for overheating, wa | ater submersion, leak | ing seals, improperly installed. | |
| Check that a c | car with inside journa | l bearings is equippe | d with an on-board hot journal | |
| | n with a visual and audi | | | |
| | | | dates* are not past due. Oil - 30 | |
| | d after January 1, 2020 | | | |
| | | | ive wear or broken, no excessive | |
| | otion causing wheel co | | | |
| | | | ire. Verify that AP bearing cap | |
| | | | P style bearing locking plates are | |
| | roper date and mounting | | style bearing locking plates are | |
| | | | ken, loose, bent or broken weld, | + |
| | | | | |
| | omer linings, cracks at | | | |
| - | | - | ement, correct fasteners, and not | |
| | g. Must be present on | | | |
| 1 | . · | | g hangers, springs, truck frames, | |
| | | | enter plate liner and fasteners for | |
| | | | defects such as *cracked, broken | |
| | | | nor rods, defective rubber anchor | |
| | ruck contacting carbod | | | |
| | | | ects*. Verify all axles do not | |
| have any crack | s, welds, breaks nor be | nds. Verify no loose b | rake disc, disc surface wear | |
| exceeding 1/4". | , loose bolts, missing lo | ock plates or safety wi | res. Disc surface scratches are | |
| permissible. N | icks on outside edges of | of brake discs shall not | t exceed 3/4" wide radially or | |
| more than 1/4" | deep into braking surf: | ace. Disc thermal crac | cks shall not exceed 3", be | |
| | | | reach the edge of the ring." | |
| | | | lignment and proper application. | |
| | ness: 1/4" for disc bral | | | |
| | | | ings, brake cylinders and brake | 1 |
| | | | s, misadjusted/inoperative slack | |
| | | | nd hangers are properly secured, | |
| 5 | e . | | safety lug on brake frame side | |
| | f "C" Frame (CFM) dis | | surery lug on blace name side | |
| | | | 1, 2015) for proper amount of | |
| | | | nd Spicer drive. Check play in | |
| · • | · · · | . unve shart ciuten a | nd spicer drive. Check play in | |
| universal joints | | 11 1 1 | | |
| | | | icable AAR Manual of Standards | |
| | | | rim thickness, flange height and | |
| | s. Document if any wh | | | <u> </u> |
| | | | rbody*, no loose or broken bolts | |
| | | | s properly secured, safety guards | |
| | | es through floor from | removed equipment, elastic lock | |
| | hreads showing, etc. | | | |
| | | | leaks, and no fluid accumulation | |
| | | | or other fluid system piping is | |
| shielded from | debris damage. Verify | that engine set has s | shielded exhaust system directed | |
| away from air | intakes, fuel lines or v | vayside detectors. Ve | erify that any on-board generator | |
| uses a load tran | | | - | |
| | | d fuel lines are not da | maged, protected against foreign | |
| | | | onnection at tank has a valve. | |
| | | | on (holding) tank or biological | 1 |
| | | | with a valve and an Andrews 4" | |
| | | 11 0 1 mrr ** | | . L |

| Amtra Numł | ak Car ber | Car Name/Number | Inspection Date | Location | |
|---------------|---|---|---|---|--------------------------|
| | inside the car. | ote drain valve operation from | | | |
| | Recommended | 1 1 1 | revision, metallic pipin | ained in accordance with AAR ng is used, and gas cylinders are | |
| 27. | Visual inspection Tightlock type couplers. Veri | on of all couplers, draft CS, F, or H, with draf fy no worn knuckles, | gear and components [*] t gear free slack not to worn knuckle pin, h | *. Verify coupler at both ends is o exceed 1/2". Gauge test both oose carrier iron bolts, broken | A End: |
| | | Check operating rod o 2", minimum 34"). | clearance. Measure of | coupler height (maximum 35", | B End: |
| | ends*. Buffer h | | | n rods, and springs at A and B or single level cars, and 104"- | A End: |
| | | | | | B End: |
| | appliance stand | | and holds have a mini | or compliance with FRA safety imum clearance of 2", sill steps | |
| | self-contained b | attery backup source. | - | A and B ends, and that it has a | |
| | flammable liqui | ds are not stored in the | interior of a car occup | | |
| | 32. Inspect* all 480 volt HEP trainlines, Door Control/Communications trainline and any Locomotive MU Control trainline, cables and jumpers for any defects, deterioration in the insulation, debris damage, cracking or fraying of insulation. Inspect conduit over trucks for securement. Inspect for missing High Voltage warning signs. | | | | |
| 33. | 33. Check the call bell (door bell) system at the A and B ends for proper operation. | | | | |
| | 34. Check if Amtrak air brake COT&S date is past due: UC - use is prohibited; D22 - 3 years; 26C and KE - 4 years; ABD, ABDW, ABDXL and DB-60 - 6 years. | | | | |
| | • | | | erior near end doorway. Verify applied" indicator on each side | |
| | air test to be co dirt collector/cu | onducted. Verify that atout cock, properly or | air brake system conn | permit passenger car single car ection to brake pipe uses AAR . Check that truck cutout cocks d. | |
| | as carbody to t | ruck) are not damage | ed. Check that any ho | mediate air brake hoses (such ose using AAR M-601 fabric | A-End Brake Pipe: |
| | reinforced hose is less than 8 years old. Check that any AAR M-618 or M-927 style wire reinforced hose, or hose under 5/8" inside diameter, is less than 12 years old (10 | | | | A-End Main Reservoir: |
| | years preferred). | | | • | D. E., J. D., L., D', |
| | | | | | B-End Brake Pipe: |
| | | | | | B-End Main Reservoir: |
| : | reservoir of air | • | | n, etc.) are supplied by supply or and regulator valve, and has | |
| 39. | Inspect and test no binding of a application and | | | | |

| Amtrak Car Number | Car Name/Number | Inspection Date | Location | | |
|--|-----------------|-----------------|----------|---------------------|------------------------|
| 40. Perform a Single Car Air Test of brake system, using appropriate procedures and Single Car Testing Device for the design of the car brake system*. Verify that Testing Device is within calibration date. Test an ABDW air brake system with freight Single Car Testing Device, using AAR S-486 test codes including test code Section 4.3, Auxiliary Devices, for tests of other auxiliary devices such as relay valve and modulating valve. Record on form PC-1B. Brake cylinder full service application pressure: Brake cylinder emergency application pressure: | | | | | |
| Wheel Number | · Rim Thick | mess Flange | Height | Flange Thickness | Wrought Steel (Y/N) |
| 1 | | | | | |
| 2 3 | | | | | |
| 4 | | | | | |
| 5 | | | | | |
| 6 | | | | | |
| 7 | | | | | |
| 8 | | | | | |
| 9 | | | | | |
| | | | | | |
| 10 11 | | | | | |

Note: Finger gauge may not be used to condemn wheels for flange height or thickness.

If finger gauge indicates condemning limit has been reached, confirm condition with Combined Wheel Gauge W620-4.

| Glazing Location | Certified Glazing (YES/NO) | Glazing Type, if YES |
|------------------|----------------------------|----------------------|
| Side Facing | | |
| End Facing | | |

Emergency Window Type: Dull Handle \ Description Breakable Safety Glass with Hammer

| Is | Emergency | Window | identified | inside of the | Car: | T Yes | No No |
|----|-----------|--------|------------|---------------|------|-------|-------|
| | | | | | | | |

| Additional inspection documentation attached: | Yes | 🗌 No |
|---|-----|------|
|---|-----|------|

I certify that each item on this form was inspected, all items are found to be in compliance, and agree that Amtrak may rely upon the accuracy of this form.

| Inspector Signature | Inspection Date |
|---------------------|-----------------|
| Dambers | |