

maintained in a manner that allows the unobstructed flow of water. Feed water tanks shall be equipped with a device that permits the measurement of the quantity of water in the tender feed water tank from the cab or tender deck of the steam locomotive. Such device shall be properly maintained.

(b) *Inspection frequency.* As often as conditions warrant but not less frequently than every 92 service days, the interior of the tank shall be inspected, and cleaned if necessary.

(c) *Top of tender.* Top of tender behind fuel space shall be kept clean, and means provided to carry off excess water. Suitable covers shall be provided for filling holes.

§ 230.116 Oil tanks.

The oil tanks on oil burning steam locomotives shall be maintained free from leaks. The oil supply pipe shall be equipped with a safety cut-off device that:

(a) Is located adjacent to the fuel supply tank or in another safe location;

(b) Closes automatically when tripped and that can be reset without hazard; and

(c) Can be hand operated from clearly marked locations, one inside the cab and one accessible from the ground on each exterior side of the steam locomotive.

APPENDIX A TO PART 230—INSPECTION REQUIREMENTS

The lists in this appendix are intended as guidance only. Adherence to this list does not relieve the steam locomotive owner and/or operator of responsibility for either: (1) Completing the inspection and maintenance requirements described in this part; or (2) ensuring that the steam locomotive, tender and its parts and appurtenances are safe and suitable for service.

Daily Inspection Requirements; § 230.13

1. Observance of lifting pressure of the lowest safety valve.
2. Testing of water glasses and gauge cocks.*
3. Inspection of tubular water glass shields.
4. Inspection of all cab lamps.*
5. Inspection of boiler feedwater delivery systems.*
6. Inspection of lagging for indication of leaks.

7. Inspection for leaks obstructing vision of engine crew.

8. Observance of compressor(s) and governor to ascertain proper operation.*

9. Inspection of brake and signal equipment.*

10. Inspection of brake cylinders for piston travel.

11. Inspection of foundation brake gear.

12. Inspection of sanders.*

13. Inspection of draw gear and chafing irons.

14. Inspection of draft gear.

15. Inspection of crossheads and guides.

16. Inspection of piston rods and fasteners.

17. Inspection of main, side, and valve motion rods.

18. Inspection of headlights and classification lamps.*

19. Inspection of running gear.

20. Inspection of tender frames and tanks.

21. Inspection of tender trucks for amount of side bearing clearance.

NOTE: All items marked (*) should be checked at the beginning of each day the locomotive is used.

31 Service Day Inspection Requirements; § 230.14

1. Washing of boiler.
2. Cleaning and inspection of water glass valves and gauge cocks.
3. Cleaning, washing and inspection of arch tubes, water bar tubes, circulators and siphons.
4. Removal and inspection of all washout and water tube plugs.
5. Testing of all staybolts.
6. Removal, cleaning and inspection of fusible plugs (if any).

92 Service Day Inspection Requirements; § 230.15

1. Removal and testing of all air and steam gauges.
2. Cleaning of steam gauge siphon pipe.
3. Renewal of tubular water glasses.
4. Testing and adjusting of safety relief valves.
5. Testing of main reservoir and brake cylinder leakage.
6. Entering and inspection of tender tank interior.

Annual Inspection Requirements; § 230.16

1. Testing of thickness of arch and water bar tubes (arch brick to be removed)
2. Hydrostatic testing of boiler.
3. Testing of all staybolts.
4. Interior inspection of boiler.
5. Thickness verification of dry pipes.
6. Smoke box inspection.
7. Main reservoir hammer or UT testing and hydrostatic testing (for non-welded and drilled main reservoirs)
8. Removal and inspection of steam locomotive drawbar(s) and pins (NDE testing other than merely visual)