§ 230.114 Wheel centers.
(a) Filling blocks and shims. Driving and trailing wheel centers with divided rims shall be properly fitted with iron or steel filling blocks before the tires are applied, and such filling blocks shall be properly maintained. When shims are inserted between the tire and the wheel center, not more than two thicknesses of shims may be used, one of which must extend entirely around the wheel. The shim which extends entirely around the wheel may be in three or four pieces, providing they do not lap.
(b) Wheel center condemning defects. Wheel centers with any of the following defects shall be removed from service immediately and repaired:
(1) Wheels centers loose on axle;
(2) Broken or defective tire fastenings;
(3) Broken or cracked hubs, plates, bolts or spokes, except as provided in paragraph (b)(4) of this section;
(4) Driving or trailing wheel center with three adjacent spokes or 25 percent or more of the spokes in the wheel broken.
(c) Wheel center repairs. Wheel centers may be repaired by welding or brazing provided that the defect can properly be so repaired and, following the repair, the crankpin and axle shall remain tight in the wheel. Banding of the hub is permitted.
(d) Counterbalance maintenance. Wheel counterbalances shall be maintained in a safe and suitable condition for service.

STEAM LOCOMOTIVE TANKS

§ 230.115 Feed water tanks.
(a) General provisions. Tanks shall be maintained free from leaks, and in safe and suitable condition for service. Suitable screens must be provided for tank wells or tank hose and shall be 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.