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from the inner edge of the front or back face of the rim; or.

(i) A wheel on the car has been welded unless the car is being moved for repair in accordance with §215.9 of this part.

§215.105 Defective axle.

A railroad may not place or continue in service a car, if—

(a) An axle on the car has a crack or is broken;
(b) An axle on the car has a gouge in the surface that is—
   (1) Between the wheel seats; and
   (2) More than one-eighth inch in depth;
(c) An axle on the car, used in conjunction with a plain bearing, has an end collar that is broken or cracked;
(d) A journal on the car shows evidence of overheating, as evidenced by a pronounced blue black discoloration; or
(e) The surface of the plain bearing journal on the axle, or the fillet on the axle, has—
   (1) A ridge;
   (2) A depression;
   (3) A circumferential score;
   (4) Corrugation;
   (5) A scratch;
   (6) A continuous streak;
   (7) Pitting;
   (8) Rust; or
   (9) Etching.

§215.107 Defective plain bearing box: General.

A railroad may not place or continue in service a car, if the car has—

(a) A plain bearing box that does not contain visible free oil;
(b) A plain bearing box lid that is missing, broken, or open except to receive servicing; or
(c) A plain bearing box containing foreign matter, such as dirt, sand, or coal dust, that can reasonably be expected to—
   (1) Damage the bearing; or
   (2) Have a detrimental effect on the lubrication of the journal and the bearings.

§215.109 Defective plain bearing box: Journal lubrication system.

A railroad may not place or continue in service a car, if the car has a plain bearing box with a lubricating pad that—

(a) Has a tear extending half the length or width of the pad, or more;
(b) Shows evidence of having been scorched, burned, or glazed;
(c) Contains decaying or deteriorated fabric that impairs proper lubrication of the pad;
(d) Has—
   (1) An exposed center core (except by design); or
   (2) Metal parts contacting the journal; or
(e) Is—
   (1) Missing; or
   (2) Not in contact with the journal.

§215.111 Defective plain bearing.

A railroad may not place or continue in service a car, if the car has a plain bearing—

(a) That is missing, cracked, or broken;
(b) On which the bearing liner—
   (1) Is loose; or
   (2) Has a broken out piece; or
(c) That shows signs of having been overheated, as evidenced by—
   (1) Melted babbitt;
   (2) Smoke from hot oil; or
   (3) Journal surface damage.

§215.113 Defective plain bearing wedge.

A railroad may not place or continue in service a car, if a plain bearing wedge on that car is—

(a) Missing;
(b) Cracked;
(c) Broken; or
(d) Not located in its design position.

§215.115 Defective roller bearing.

(a) A railroad may not place or continue in service a car, if the car has—
   (1) A roller bearing that shows signs of having been overheated as evidenced by—
      (i) Discoloration; or
      (ii) Other telltale signs of overheating such as damage to the seal or distortion of any bearing component;
   (2) A roller bearing with a—
      (i) Loose or missing cap screw; or