

Kansas Administrative Regulations

Kansas Department of Transportation

Article 1.—Special Permits, Loads and Vehicles

36-1-31. Equipment.

(a) All equipment on the SVC must conform with these regulations and those of the federal motor carrier safety regulations, 49 C.F.R. 390-399, as in effect on April 1, 1990 and adopted herein by reference. All equipment operated under the annual SVC permit is subject to periodic field inspection to ensure continued compliance with all equipment requirements.

(b) Power. All truck-tractors shall be powered to provide adequate acceleration ability and hill climbing ability under normal operating conditions, and to operate on level grades at speeds compatible with other traffic. The ability to maintain a minimum speed of 40 miles per hour under normal operating conditions on any grade and to be able to resume a speed of 40 miles per hour upon any grade on which the SVC is stopped is required.

(c) Tires. All tires shall be of the same size and construction (radial or non-radial). Tires must be properly inflated for the load being carried. Each axle must have two tires at each end of the axle, except for the steering axle.

(d) Fifth wheels. Every fifth wheel shall be:

- (1) clean and lubricated with a light-duty grease;
- (2) located in a position which provides adequate stability.

(e) King pins. Every king pin shall be solid-type and permanently fastened to the semitrailer. Screw-out or folding king pins are prohibited.

(f) Pick-up plates. Pick-up plates shall be of equal strength to the fifth wheel.

(g) Hitch connections. All hitch connections shall be no-slack air-actuated ram-type and isolated from the primary air transmission system.

(h) Pressure controlling devices. All pressure controlling devices shall be located outside the cab of the tractor and not accessible to the driver while in the cab.

(i) Drawbars. The drawbar length shall be the practical minimum consistent with clearances required between trailers for turning and backing maneuvers.

(j) Axles. All axles permanently attached to the trailer and/or semitrailer shall be designed for the width of the trailer. Drop or lift axles shall not be permitted. An SVC shall have a minimum of six and a maximum of nine axles.

(1) The total weight on any single axle shall not exceed 20,000 pounds. The total weight on any tandem axle shall not exceed 34,000 pounds. Only single and tandem groupings shall be permitted. The total gross weight of the SVC shall not exceed 110,000 pounds.

(2) The total weight on any group of two or more consecutive axles shall not exceed the bridge formula as set out in 23 U.S.C. 127 as in effect on December 22, 1987 and adopted herein by reference. Compliance with height and length restriction requirements is required.

(k) Brakes. Fast air transmission and release valves shall be provided on all semitrailer and trailer axles. Brakes shall be installed to apply consecutively beginning with the rear axle and proceeding to the front axle. The use of engine-retarder brakes shall be prohibited.

(l) Antispray devices. Antispray mud flaps shall be attached to the rear of each axle except the steering axle. Mud flaps shall have a surface designed to absorb and deflect excess moisture to the road surface.

(m) Trailers/semitrailers. All trailers/semitrailers shall conform as follows:

(1) The heaviest trailer or semitrailer shall be placed in front and the lightest at the rear;

(2) The length of a semitrailer or trailer in a SVC shall not exceed 28½ feet in length; and

(3) A semitrailer used with a converter dolly shall be considered to be a trailer.

(n) Convex mirrors. In addition to the standard mirrors, each SVC shall be equipped with convex mirrors (minimum 6 inches in diameter) on the left and right sides of the truck-tractor. Such mirrors shall be visible by the driver while operating the SVC.

(Authorized by K.S.A. 68-404; implementing K.S.A. 1989 Supp. 8-1911, as amended by L. 1990, Ch. 50, Sections 2, 4; effective March 4, 1991.)

***** Authenticated Kansas Administrative Regulation *****